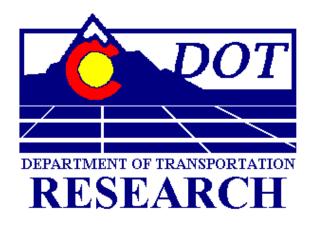
Report No. CDOT-DTD-R-2004-04 Final Report

## HOT BITUMINOUS PAVEMENT GRADATION ACCEPTANCE REVIEW OF QC/QA DATA 2000 TO 2002

**Eric Chavez, CDOT Pavement Management and Design Unit** 



March 2004

COLORADO DEPARTMENT OF TRANSPORTATION RESEARCH BRANCH

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accomplished by reviewing the Calculated Pay Factor Composite (CPFC) and Incentive/Disincentive Payments (I/DP). Analysis of each of the test elements: mat density, percent asphalt, & gradation, is also presented in tables, figures, an reports. Various data groupings are used to evaluate the data including: year, region, & grading.  Overall the quality of the hot bituminous pavements has shown improvement in the years 2000 to 2002. The densi element has shown the best improvement and has the highest Quality Levels of any of the elements. The percent asphalt element showed slight improvements and has the second highest Quality Levels. No measurable improvemen in Quality Levels were noted in the gradation element. This element has the lowest Quality Levels of the there element. An evaluation of the data was completed to see if project size, plan quantity of HBP, had an effect on the Quality Level results. The larger projects did have higher Quality Level results but the difference was not significantly better the smaller projects.	ity its its.
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### Hot Bituminous Pavement Gradation Acceptance Review of QC/QA Data 2000 To 2002

by

Eric Chavez

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#### 1.0 INTRODUCTION AND COMMENTS

The Colorado Department of Transportation (CDOT) began Quality Control/Quality Assurance (QC/QA) construction for hot bituminous pavement (HBP) in 1992 with the implementation of a three-year pilot program which was essentially completed in 1994 (several projects were held over and completed in 1995).

In 1994 a revised and updated specification was written, designated as QPM 2 <sup>2</sup>. It was used on a few projects completed in 1995 and essentially all HBP projects completed in 1996 and 1997. Reports have been published for 1992 through 1996 <sup>3-7</sup>. These are available from the CDOT Library. The 1995 construction report <sup>6</sup> contains summaries for both QPM 1 & 2.

The general format and presentation of data in this report are similar to that used in previous QC&QA reports. Information on the background, development, philosophy and rationale involved can be found in the previous reports and is not repeated here.

This report summarizes the QC/QA data for hot bituminous paving projects using gradation acceptance for the years 2000 to 2002. A series of reports are generated for the data in each of these years. Reports evaluating the Percent Asphalt, Density, & Gradation elements are detailed by grading, region, & supplier. Recap reports for the region and supplier data are also presented. Charts comparing the Quality Level and Pay Factor information for the years 1991 to 1997 and 2000 to 2002 are displayed for the Percent Asphalt, Density, & Gradation elements.

#### 2.0 CALCULATIONS

Specifications - Revision of Sections 105 and 106, Quality of Hot Bituminous Pavement. The revision to sections 105 & 106 governs the QC/QA calculations. A slight change to the calculation for Pay Factor was made in February of 1997 with the incorporation of Formula 1 into the calculation. At the same time Table 105-2, Formulas for Calculating PF Based on Pn, was modified to include additional equations for calculating Pn. No

other changes have been made in any of the calculations since 1997. The calculation for Quality Levels has remained unchanged since the beginning. The specification has been revised numerous times over the years but the changes have not affected the QC/QA calculations. Use of CDOT's QC/QA computer program is a requirement of the specification. The computer program is based on this specification.

Process Quantities – Process quantities are used for all calculations in this report except for the calculation of the Calculated Pay Factor Composite. In general, processes group like material or construction techniques together. Please see the Revision to Sections 105 & 106, Quality of Hot Bituminous Pavement for details on processes.

Quality Level – Quality Levels are calculated in accordance with Colorado Procedure 71. Quality Level analysis is a statistical procedure for estimating the percent compliance to specification limits and is affected by shifts in the arithmetic mean and by the sample standard deviation. Analysis of both factors is essential whenever evaluating Quality Level results.

Calculated Pay Factor Composite – The Calculated Pay Factor Composite (CPFC) is a way to evaluate the overall performance of the project. The CPFC represents the percentage increase or decrease to the unit price for hot bituminous pavement paid on the project. Projects with a CPFC greater than 1.0 will have received an incentive payment. Projects with a CPFC less than 1.0 will have received a disincentive payment. The CPFC is back calculated from the project's Final Incentive/Disincentive Payment (I/DP). This calculation is used rather than an overall Quality Level calculation since a project can contain processes in which no Quality Level is calculated, processes with less than three tests. This calculation also addresses the problem, which occurred in some of the reported projects in which the final element quantities were not equal. The main reason this calculation is used is to avoid the problems associated with averaging of the data. An average unit price is calculated and used in the calculation. The calculation is as follows:

$$CPFC = (I/DP / ((UP_P) * (QR_P))) + 1$$

Where: CPFC = Calculated Pay Factor Composite.

I/DP = Incentive/Disincentive Payment for the project.

UP<sub>P</sub> = Calculated Unit Price for the project.

QR<sub>P</sub> = Quantity Represented Project, summation of % Asphalt process quantities.

$$UP_{P} = (\sum (UP_{n} * T_{n})) / \sum T_{n}$$

Where:  $UP_n$  = Unit Price for the process.

T<sub>n</sub> = Tons represented by the process, Percent Asphalt element.

**Note:** The quantities used in the above calculations are the quantities represented in the Percent Asphalt test element. By using this quantity only, the calculation avoids having to average the quantities in the three test elements when the final element quantities are not equal. The quantity in the Percent Asphalt element appeared to most accurately represent the project's final quantity in a review of the project data.

Weighted Average – The weighted average used in this report is based on tons of material.

Key Sieve – In the gradation element, a Quality Level is calculated on each of the specification sieves. The lowest calculated QL is used to determine the PF for the gradation element. The sieve with the lowest QL has been labeled the Key Sieve in this report.

#### 3.0 DESCRIPTION OF REPORTS

Report Criteria – At the beginning of each report the selection criteria are listed for the data contained in the report. The projects included in each report are first selected according to their Bid Dates. A Bid Date range is used in all of the reports. Quality Levels are not calculated on processes that contain less than three test results. Therefore, these processes are excluded from the reports that contain Quality Level calculations. A series of reports are also generated based on project size, plan quantity of HBP. Other justifications as to why a project or process is excluded from the report are detailed in the report criteria.

Sample Size – Not too many conclusions should be drawn when the number of observations, sample size, is small. Generally speaking, an evaluation of five or less samples is not considered very reliable. Always check the number of samples included in the evaluation when doing comparisons of the data. Most of the reports presented here will indicate the number of samples included in the various data groupings. Figures in this report will have associated tables that will give the number of samples included.

Calculated Pay Factor Composite by Supplier. This report lists project information sorted by supplier and then by Bid Date. The main purpose of this report is to track a supplier's performance through time. Information presented in the report includes: Subaccount, Bid Date, Region, Grading, Total Tons, Average Price, I/DP and Calculated Pay Factor Composite. A recap for each supplier is also presented.

Asphalt Content, Mat Density, Gradation – Process Information, & Gradation – Standard Deviation – Recap by Grading/Year/Region. A great amount of information is displayed in the recap reports. The information is grouped first by grading and then by year. Region information is displayed for each year. Information presented includes: Processes, Tons, and Tests along with the weighted averages for Price, Quality Level, Pay Factor, and Standard Deviation. These reports are very useful for tracking the performance of a grading of HBP through the years and by each region.

**Project Listing by Region/Subaccount.** This report contains information for the projects included in the evaluation. The Subaccount, Project Code, Location, Region, Supplier, Bid Date, Total Bid, and Plan Quantity are listed for each project. The report is grouped by region and contains a region recap. A statewide recap is given at the end of the report.

*Project Data.* The Project Data report displays all of the QC/QA data for each project. This report is sorted by subaccount. The project's data is detailed by Mix Design and Process Number. The Number of tests, Quantity in Tons, Quality Levels, Pay Factors, and Incentive/Disincentive Payment are given for each mix design and process. A project recaps is also presented. This report contains all the project's data. This is the best report to review when concerned about an individual project. All of a project's data may not be contained in other reports if the data does not meet that report's individual criteria.

Calculated Pay Factor Composite and I/DP by Region. This report evaluates two key calculations for each project, the Calculated Pay Factor Composite (CPFC) and the project Incentive/Disincentive Payment (I/DP). The Calculated Pay Factor Composite gives an index of the overall quality of the project; see Calculations for details on the calculation of the CPFC. The I/DP is the incentive or disincentive amount the project received for the HBP. The report groups the projects by region and contains a region recap. A statewide recap of the information is given at the end of the report.

**Note:** There isn't a direct correlation between Calculated Pay Factor Composite and Incentive/Disincentive Payment. The calculations for Pay Factors are dependent on the number of tests and the quantity of material associated with each process. Larger runs of production, processes, have the potential to receive higher Pay Factors. This is a benefit of producing uniform material. Differences in the process quantity can result in a different calculation for pay factor even if the quality levels are the same. Please refer to the Revision to Sections 105 and 106 for details on the calculations.

#### **ASPHALT CONTENT REPORTS**

Process information for the Asphalt Content element is detailed in two reports. Information contained in the reports includes: Bid Date, Subaccount, Region, Plan Quantity, Grading, Price, Mix Design Number, Process Number, Quantity in Tons, Number of tests, Quality Level, Pay Factor, and Standard Deviation.

**Asphalt Content – Process Information.** Asphalt Content information is detailed in this report. The information is grouped by grading and sorted by Quality Level. A recap for each grading is calculated. A recap that combines the information for all of the gradings is given at the end of the report.

Asphalt Content – Recap by Region. This report contains the same information as in the previous report except that the information is first grouped by grading and then by region. Only a recap of each region's results is presented. An average unit price is calculated for each region and grading. A statewide recap is given at the end of the report.

#### MAT DENSITY REPORTS

Process information for the Mat Density element is detailed in two reports. Information contained in the reports includes: Bid Date, Subaccount, Region, Plan Quantity, Grading, Price, Mix Design Number, Process Number, Quantity in Tons, Number of tests, Quality Level, Pay Factor, Standard Deviation, and Mean.

**Mat Density** – **Process Information.** Mat Density information is detailed in this report. The information is grouped by grading and sorted by Quality Level. A recap for each grading is calculated. A recap that combines the information for all of the gradings is given at the end of the report.

**Mat Density – Recap by Region.** This report contains the same information as in the previous report except that the information is first grouped grading and then by region. Only a recap of each region's results is displayed. An average unit price is calculated for each region and grading. A statewide recap is given at the end of the report.

#### **GRADATION REPORTS**

The gradation element is covered in two sets of reports: *Gradation Process Information* and *Gradation Standard Deviation* reports. *Gradation Process Information* reports contain the Bid Date, Subaccount, Region, Plan Quantity, Grading, Price, Mix Design Number, Process Number, Quantity in Tons, Number of tests, Quality Level, Pay Factor, and Key Sieve. The *Gradation - Standard Deviation Information* reports contain the Bid Date, Subaccount, Region, Plan Quantity, Grading, Price, Quantity in Tons, Number of tests, Key Sieve, and the standard deviation for each of the specification sieves.

**Gradation** – **Process Information.** Project information for the gradation element with the exception of standard deviation information is detailed in this report. The information is grouped by grading and sorted by Quality Level. A recap for each grading is calculated. A recap that combines the information for all of the gradings is given at the end of the report.

**Gradation – Recap by Region.** This report contains the same information as in the previous report except that the information is first grouped by grading and then by region. Only a recap of each region's results is displayed. An average unit price is calculated for each region and grading. A statewide recap is given at the end of the report.

**Gradation** – **Standard Deviation Information.** The standard deviation information for the gradation element is detailed in this report. The information is grouped by grading and sorted by bid date. A recap for each grading is calculated. A recap that combines

the information for all of the gradings is given at the end of the report.

**Gradation – Standard Deviation - Recap by Region.** This report contains the same information as in the previous report except that the information is first grouped by grading and then by region. Only a recap of each region's results is displayed. A statewide recap is given at the end of the report.

#### 4.0 DATA FOR THE YEARS 1991 TO 1997

Data presented in this report for the years 1991 to 1997 was obtained from Report No. CDOT-DTD-R-98-4, Hot Bituminous Pavement QC&QA Projects Constructed in 1997 Under QPM 2 Specifications, Bud A. Brakey, P. E., May 1998. For information concerning this data please see the referenced report.

#### 5.0 DISCUSSION OF THE DATA

#### 5.1 Projects Evaluated

Table 1 displays the number of projects and tons of material by year used in the evaluations. A relatively small number of projects were evaluated in the years 1992, 1993, & 1997. This may account for the high results presented in these years. The data for the years 1998 & 1999 was not maintained by the Pavement Management and Design Unit and is currently unavailable. Additional project data will be added to the database as the Pavement Management and Design Unit receives it.

**Table 1. Projects Evaluated** 

	Projects			•	Tons	
Year	Evaluated	Total	%	Evaluated	Plan	%
1991				2,000,000	(Historical dat	ta)
1992	7			282,000		
1993	18			482,000		
1994	58			1,496,000		
1995	40			1,104,000		
1996				830,000		
1997	17			378,000		
2000	39	71	55%	946,321	1,593,330	59%
2001	33	53	62%	714,534	1,215,886	59%
2002	34	57	60%	705,392	1,337,877	53%

#### **5.2 Calculated Pay Factor Composite**

The Calculated Pay Factor Composite (CPFC) information for the years 2000 to 2002 is displayed in Report 1. The information is sorted by year and then by grading. The CPFC is an index of the overall quality of the pavement based on the test results in the three test elements. A CPFC above 1.0 indicates that an incentive payment was paid for the HBP. A CPFC below 1.0 shows that a disincentive was applied to the pavement. Figure 1 displays the overall CPFC, all gradings of HBP included, by year for the years 2000 to 2002. The overall quality for the projects has increased in each of these years. The CPFC's for gradings S & SX are graphed in Figure 2. Grading SX has outperformed S each year and shows an increase in quality over the last three years.

The CPFC for grading S in 2002 is the lowest of the three years evaluated. The number of tons of grading S produced has decreased each year since 2000.

# Calculated Pay Factor Composite by Year Criteria: Projects with Bid Dates from 1/1/00 to 12/31/02.

Projects with Plan Quantities 0 to 200000 tons.

Projects that contain more than one grading are EXCLUDED from this Report

PFC is back calculated from the Project's I/DP.

					CPFC	
Year 2000		Projects	Tons	Average:	Maximum:	Minimum:
	Grading: S	22	424,404	0.99940	1.04477	0.81968
	Grading: SX	16	422,396	1.00516	1.04569	0.91509
	Totals: 2000	38	846,800	1.00183	1.04569	0.81968
					CPFC	
Year 2001		Projects	Tons	Average:	Maximum:	Minimum:
	Grading: S	18	374,757	1.00122	1.03670	0.93018
	Grading: SX	14	347,042	1.00991	1.04596	0.95729
	Totals: 2001	32	721,799	1.00502	1.04596	0.93018
					CPFC	
Year 2002		Projects	Tons	Average:	Maximum:	Minimum:
	Grading: S	16	127,932	0.98955	1.04300	0.83596
	Grading: SMA	1	19,785	1.03381	1.03381	1.03381
	Grading: SX	15	447,049	1.02582	1.04708	0.99725
	Totals: 2002	32	594,766	1.00794	1.04708	0.83596

Calculated Pay Factor 1/1/00 to 12/31/02.Plan Quantities 0 to 200000 tons.

	CPFC		
Minimum:	Maximum:	Average:	Tons
0.81968	1.04708	1.00475	2,163,365

Report 1. Calculated Pay Factor Composite by Year and Grading

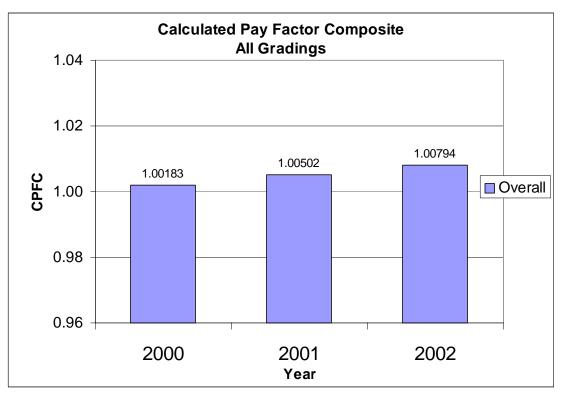


Figure 1. Calculated Pay Factor Composite by Year

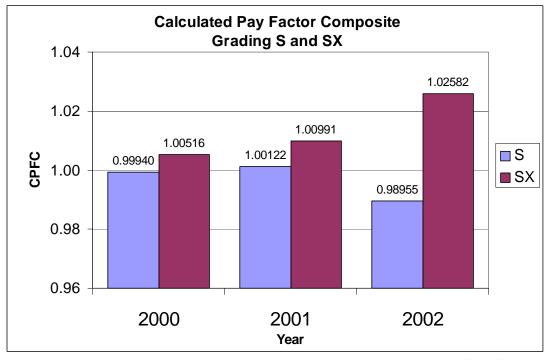


Figure 2. Calculated Pay Factor Composite by Year, Grading S & SX

#### **5.3 Incentive/Disincentive Payments**

A recap of the Incentive/Disincentive Payments for the years 2000 to 2002 is presented in Table 2. A summation of the I/DP's is shown for each year. The Maximum and Minimum I/DP's for the year are also displayed. An average I/DP is also calculated. The net amount paid in I/DP's has increased each year. The average I/DP paid has increased over \$10,000.00 in 2002 as compared to 2000. Report 10 in Appendices B, C, & D gives a detailed report on the I/DP's for each year.

Table 2. Incentive/Disincentive Payments – Recap by Year

2000			Incentive/Disin	centive Payment
	Number of Projects	39	Sum I/DP's	\$235,928.66
	Positive I/DPs	24	Maximum	\$77,150.01
	Negative I/DPs	15	Minimum	(\$161,120.55)
	Total Tons	905,343	Average I/DP	\$6,049.45
2001			Incentive/Disin	centive Payment
	Number of Projects	33	Sum I/DP's	\$473,854.44
	Positive I/DPs	22	Maximum	\$110,449.67
	Negative I/DPs	11	Minimum	(\$47,508.28)
	Total Tons	748,852	Average I/DP	\$14,359.23
2002			Incentive/Disin	centive Payment
	Number of Projects	34	Sum I/DP's	\$557,234.58
	Positive I/DPs	26	Maximum	\$74,852.29
	Negative I/DPs	8	Minimum	(\$30,824.74)
	Total Tons	703,293	Average I/DP	\$16,389.25

#### 5.4 Calculated Pay Factor Composite by Year and Region

The Calculated Pay Factor Composite information sorted by region for the years 2000 to 2002 is contained in Report 2. The maximum and minimum CPFC are also displayed for each region. Figure 3 displays the results for the years 2000 to 2002. Figures are not displayed for individual years since the number of projects is small in some instances.

## Calculated Pay Factor Composite by Year/Region

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/02.

Projects with Plan Quantities 0 to 200000 tons.

PFC is back calculated from the Project's I/DP

A Calculated Average Unit Price is used in the calculation

					Calculated	l Pay Factor Con	nposite
2000	Region	Projects	Tons	Average I/DP	Average	Minimum	Maximum
	1	8	162,469	\$13,707.30	1.00547	0.91509	1.04477
	2	10	200,128	\$3,785.34	0.98546	0.81968	1.04209
	3	13	404,329	\$4,755.89	1.01418	0.96192	1.04569
	4	1	25,499	(\$3,851.44)	0.99692	0.99692	0.99692
	5	2	50,891	\$15,548.60	1.01011	1.00459	1.01563
	6	5	62,027	(\$131.11)	0.99619	0.97634	1.01977
2004	Region	Duningto	T	Assessed UDD		l Pay Factor Con	•
2001	Region 1	Projects 2	Tons	Average I/DP	Average	<b>Minimum</b> 0.99761	<b>Maximum</b> 1.01295
	2	12	40,259	\$3,770.15	1.00528 0.99097	0.93018	1.01295
	3	12	220,326 286,042	\$3,867.65 \$19,501.19	1.01088	0.93016	1.03308
	4	1	27,853	\$30,763.32	1.03670	1.03670	1.04364
	5	3	88,053	\$18,146.70	1.00831	0.95729	1.04596
	6	3	86,319	\$33,561.55	1.02765	1.02250	1.03195
	v	3	00,515	ψ00,001.00	1.02703	1.02230	1.00100
					Calculated	l Pay Factor Con	nposite
2002	Region	Projects	Tons	Average I/DP	Average	Minimum	Maximum
	1	7	177,270	\$13,566.98	1.01805	0.98954	1.04708
	2	7	57,979	\$6,569.96	1.00779	0.92137	1.03800
	3	4	169,704	\$50,358.93	1.03161	1.00979	1.04191
	4	3	61,216	\$22,991.67	1.02249	1.00926	1.03345
	5						
	•	5	105,795	\$19,089.59	1.02506	1.01341	1.03800
	6	5 8	105,795 131,329	\$19,089.59 \$6,302.17	1.02506 0.97114	1.01341 0.83596	1.03800 1.03381
2000 to	6		,		0.97114		1.03381
2000 to	6 2002	8	,	\$6,302.17	0.97114  Calculated	0.83596	1.03381
2000 to	6		131,329		0.97114	0.83596	1.03381 nposite
2000 to	6 2002 Region	8 Projects	131,329 Tons	\$6,302.17  Average I/DP	0.97114  Calculated Average	0.83596  I Pay Factor Con  Minimum	1.03381  nposite  Maximum
2000 to	2002 Region 1	8 Projects 17	131,329  Tons 379,998	\$6,302.17  Average I/DP  \$12,480.44	0.97114  Calculated Average 1.01063	0.83596  I Pay Factor Con  Minimum  0.91509	1.03381  nposite  Maximum  1.04708
2000 to	2002 Region 1 2	Projects 17 29	Tons 379,998 478,433	\$6,302.17  Average I/DP  \$12,480.44  \$4,491.55	0.97114  Calculated  Average  1.01063  0.99313	0.83596  I Pay Factor Con  Minimum  0.91509  0.81968	1.03381  nposite  Maximum  1.04708  1.04209
2000 to	2002 Region 1 2 3	8  Projects  17  29  29	Tons 379,998 478,433 860,075	\$6,302.17  Average I/DP  \$12,480.44  \$4,491.55  \$17,147.47	0.97114  Calculated Average 1.01063 0.99313 1.01522	0.83596  I Pay Factor Con  Minimum  0.91509  0.81968  0.96192	1.03381 nposite Maximum 1.04708 1.04209 1.04569
2000 to	6 2002 Region 1 2 3 4	8  Projects  17  29  29  5	Tons 379,998 478,433 860,075 114,568	\$6,302.17  Average I/DP \$12,480.44 \$4,491.55 \$17,147.47 \$19,177.38	0.97114  Calculated Average 1.01063 0.99313 1.01522 1.02022	0.83596  I Pay Factor Con Minimum  0.91509  0.81968  0.96192  0.99692	1.03381 nposite Maximum 1.04708 1.04209 1.04569 1.03670

Report 2. Calculated Pay Factor Composite by Year/Region

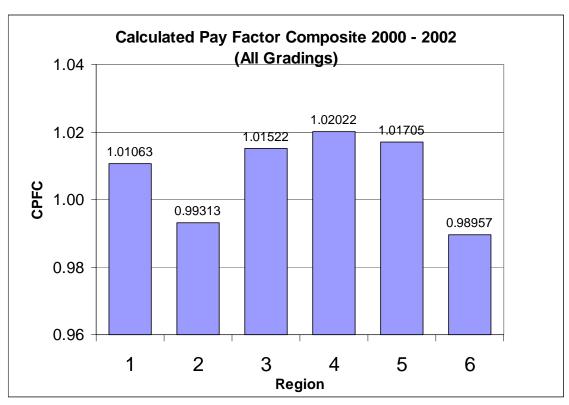


Figure 3. Calculated Pay Factor Composite 2000 to 2002 by Region

#### 5.5 Recap of Data 1991 to 2002 - Percent Asphalt, Density, & Gradation

The overall results, all grading included, for each of the test elements for the years 1991 to 2002 are listed in Table 3. The Quality Level and Pay Factor for each element are calculated. The standard deviation is displayed for the Percent Asphalt and Density elements. To review the standard deviation information for the gradation element please check the *Gradation – Standard Deviation Information by Grading/Year/Region* or *Gradation – Standard Deviation Recap by Region* reports contained in appendices B, C, & D of this report. The Percent Asphalt element has remained fairly constant over the last three years. There has been little change in the Quality Level, Pay Factor or Standard Deviation results for this element. This element continues to have good Quality Levels. The density element has shown improvements over the last three years and good results compared to earlier years. The results for the year 2002 show the best performance of this element in any of the years reported. The mean values

continue to move towards the target value of the specification, 94 percent compaction. The Quality Levels reported in the gradation element continue to be below that of the other elements. The results do show a slight improvement in quality over the last three years. The overall Pay Factor for this element is only slightly above the neutral amount of 1.0. Figures 4 - 9 graphically display the Quality Level and Pay Factor information for each of the elements contained in Table 3.

**Table 3. Recap of Yearly Data by Test Element** 

## **Percent Asphalt**

Year	Tons	<b>Quality Level</b>	Pay Factor	Std Dev
1991	2,000,000	87.000	1.00000	0.180
1992	282,000	96.300	1.04200	0.140
1993	482,000	93.200	1.02800	0.150
1994	1,496,000	90.600	1.02200	0.150
1995	1,104,000	86.872	0.99508	0.173
1996	830,000	89.800	1.00800	0.160
1997	378,000	91.980	1.01900	0.150
2000	885,117	90.223	1.01444	0.154
2001	739,129	91.288	1.01892	0.152
2002	699,462	90.681	1.01524	0.160

## **Density**

Year	Tons	<b>Quality Level</b>	Pay Factor	Std Dev	Mean
1991	900,000	84.000	0.96000	1.050	
1992	282,000	88.900	0.99000	1.000	
1993	482,000	92.400	1.01800	0.960	
1994	1,400,000	90.310	1.00700	0.958	
1995	1,071,000	84.208	0.96964	1.096	
1996	830,000	91.900	1.01500	0.910	
1997	343,000	93.765	1.01900	0.910	
2000	821,123	91.398	1.01462	0.937	93.510
2001	665,400	93.354	1.02836	0.965	93.800
2002	636,446	94.894	1.03643	0.900	93.880

## Gradation

Year	Tons	<b>Quality Level</b>	Pay Factor
1991	2,000,000	85.700	0.98900
1992	282,000	90.000	1.01400
1993	482,000	88.800	1.01000
1994	1,496,000	88.300	1.01400
1995	1,104,000	87.771	1.00757
1996	830,000	89.600	1.01200
1997	378,000	82.556	0.98100
2000	847,126	85.088	1.00272
2001	688,677	85.679	1.00468
2002	641,668	88.925	1.01431

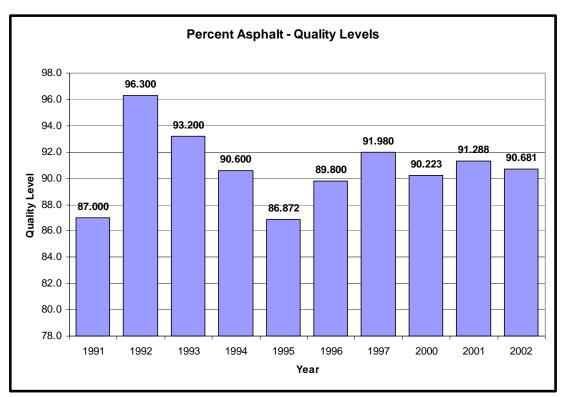
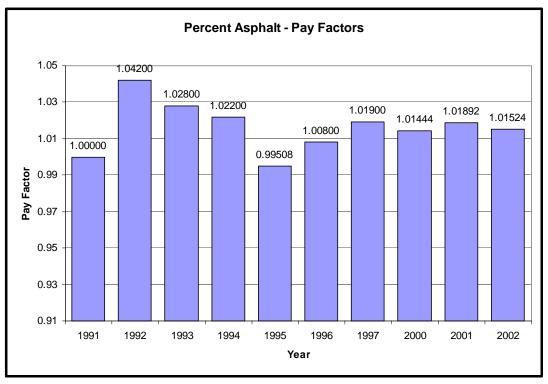


Figure 4. Percent Asphalt Quality Levels



**Figure 5. Percent Asphalt Pay Factors** 

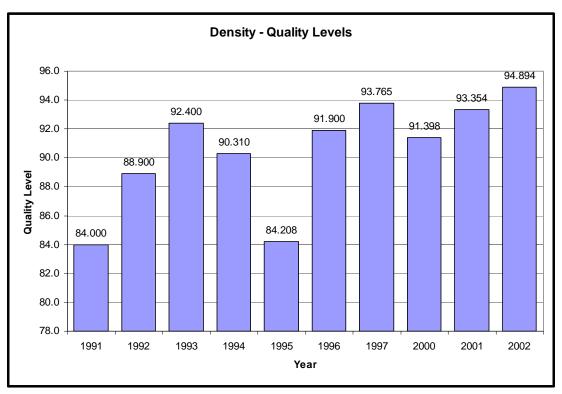
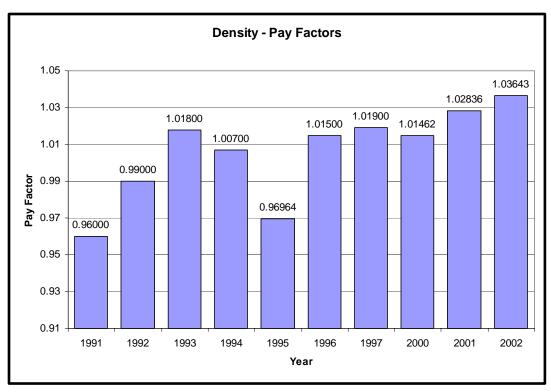


Figure 6. Density Quality Levels



**Figure 7. Density Pay Factors** 

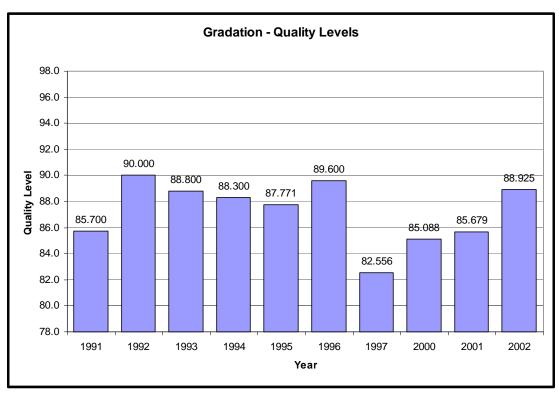


Figure 8. Gradation Quality Levels

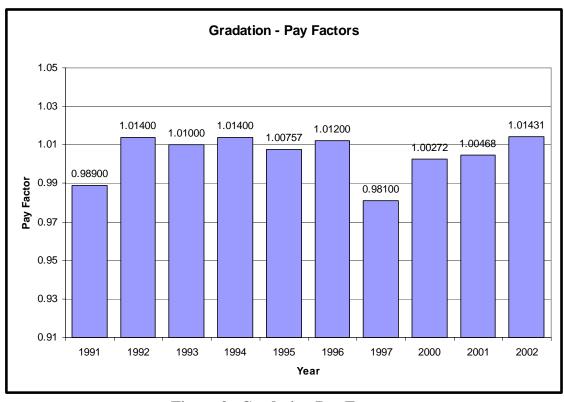


Figure 9. Gradation Pay Factors

#### 5.6 Test Element Quality Levels 2000 to 2002

The Quality Levels for the three test elements for the years 2000 to 2002 are displayed in Figure 10. The Quality Levels for the density element are the highest of any of the elements. The Quality Levels for the Asphalt Content element are the next highest. The gradation element ranks last for each of the years. The ranking of the elements by Quality Level places them in the same order as the weight that is given to the element: 50% Density, 30% Percent Asphalt, & 20% Gradation.

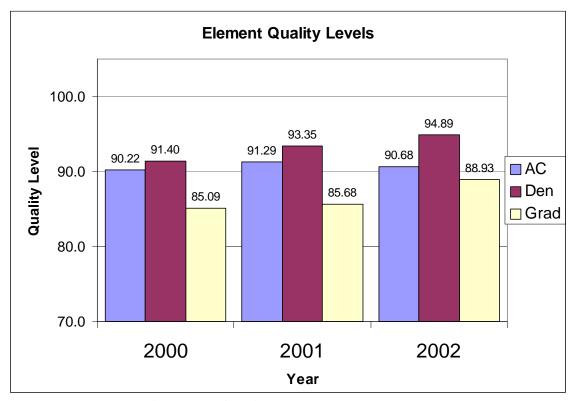


Figure 10. Quality Levels by Test Element

#### 5.7 Test Element Quality Levels For Gradings S & SX 2000 to 2002

Information for the three test elements grouped by year for gradings S and SX is detailed in Table 4. Figures 11 to 13 graphically present the Quality Level information for each element. The results for the Percent Asphalt element show both increases and decreases in the Quality Level in both gradings. A slight improvement in Quality Level is indicated but the amount is not very significant. The density element does show an

improvement in Quality Levels. There is a definite upward trend noticed in grading SX. For grading S there is a slight dip in the results for 2002 as compared to 2001 but the result is still greater than reported in 2000. In the Gradation element there is a definite upward trend shown for grading SX. The results for Grading S held mostly constant with a slight dip in Quality Level seen in 2001.

Table 4. Review of Test Elements – Gradings S & SX

#### **Percent Asphalt**

		Gradii	ng S		Grading SX				
	No. of	Total			No. of	Total		-	
Year	<b>Proces</b>	Tons	QL	PF	<b>Proces</b>	Tons	QL	PF	
2000	33	416,588	88.866	1.00864	38	451,496	92.107	1.02238	
2001	30	369,043	87.541	1.00327	34	366,960	94.981	1.03460	
2002	25	149,858	90.838	1.01510	26	462,837	91.333	1.01774	
Totals	88	935,489	88.659	1.00756	98	1,281,293	92.651	1.02420	

**Density** 

		Gradii	ng S		Grading SX				
Year	Proces	Tons	QL	PF	Proces	Tons	QL	PF	
2000	34	385,506	92.015	1.02019	36	418,584	90.848	1.00897	
2001	32	370,935	94.141	1.03269	26	294,465	92.362	1.02291	
2002	27	147,572	92.455	1.02325	23	402,107	96.491	1.04517	
Totals	93	904,013	92.959	1.02582	85	1,115,156	93.283	1.02570	

Gradation

		Gradii	ng S		Grading SX				
Year	Proces	Tons	QL	PF	Proces	Tons	QL	PF	
2000	31	407,353	86.711	1.01198	31	428,698	83.782	0.99470	
2001	23	347,638	84.007	0.99914	27	341,039	87.383	1.01032	
2002	12	111,924	86.355	0.98884	21	442,979	89.680	1.02058	
Totals	66	866,915	85.581	1.00384	79	1,212,716	86.949	1.00855	

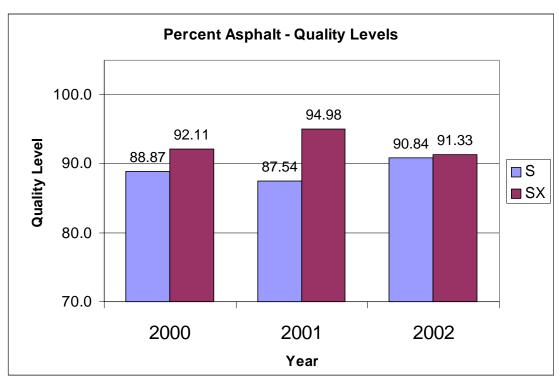


Figure 11. Percent Asphalt Quality Levels – Gradings S & SX

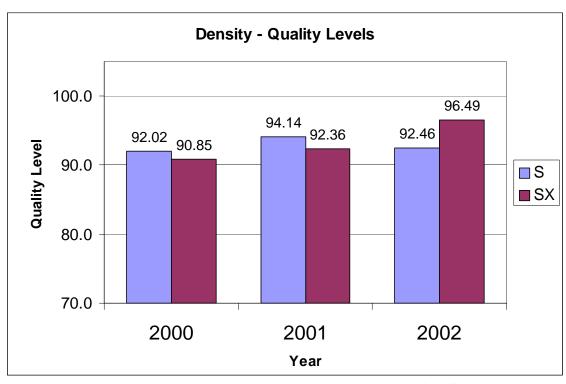


Figure 12. Density Quality Levels – Gradings S & SX

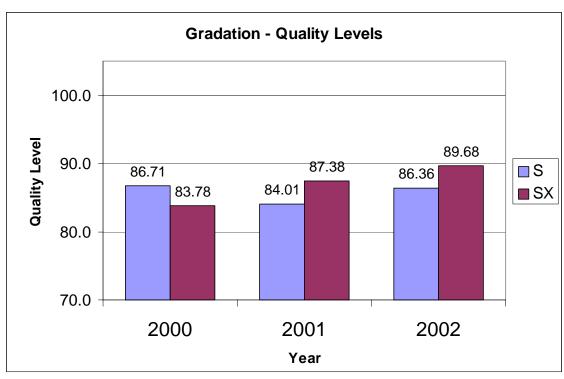


Figure 13. Gradation Quality Levels – Gradings S & SX

#### 5.8 Evaluation of Test Elements by Project Size

An evaluation of the data was completed to see if project size, plan quantity of HBP, had any effect on the Quality Level results. The projects were grouped by size for the years 2000 to 2002. Three groupings were developed: small (less than 10,000 tons), medium (10,000 to 25,000 tons), & large (greater than 25,000 tons). Over the three-year period approximately one third of the total projects fell into each of the groupings. The results for each element are detailed in Tables 5, 6, & 7. There are two figures for each of the elements that show the Quality Levels and Pay Factors for the years 2000 to 2002. There does appear to be a correlation between project size and Quality Level results in each of the elements, larger projects performing better. However, the difference between the small and large projects does not appear to be significantly great.

Table 5. Evaluation of Test Elements by Project Size Percent Asphalt

			Gradi	ng S		Grading SX			
Year	Project	No. of	Total		-	No. of	Total		
	Quantity	<b>Proces</b>	Tons	QL	PF	<b>Proces</b>	Tons	QL	PF
2000	< 10k	6	30,940	75.944	0.95527	4	14,563	92.974	1.01717
	10k - 25k	20	192,104	85.144	0.99219	8	99,165	92.213	1.02305
	> 25k	7	193,544	94.626	1.03350	26	337,768	92.038	1.02241
_									
	Totals 00	33	416,588	88.866	1.00864	38	451,496	92.107	1.02238
2001	< 10k	7	35,634	81.293	0.98740	6	15,837	91.060	1.02469
2001	10k - 25k	11	109.284	86.880	1.00501	18	124,805	88.672	1.02409
			, -			_			
	> 25k	12	224,125	88.857	1.00495	10	226,318	98.735	1.05169
-	Totals 01	30	369,043	87.541	1.00327	34	366,960	94.981	1.03460
2002	< 10k	16	55,680	90.431	1.01327	3	11,307	88.403	1.02207
	10k - 25k	8	68,421	89.948	1.00710	8	69,281	83.805	0.98259
	> 25k	1	25,757	94.082	1.04030	15	382,249	92.784	1.02398
-	Totals 02	25	149,858	90.838	1.01510	26	462,837	91.333	1.01774
00-02	< 10k	29	122,254	84.101	0.99105	13	41,707	91.008	1.02135
	10k - 25k	39	369,809	86.546	0.99874	34	293,251	88.720	1.00576
	> 25k	20	443,426	91.678	1.01947	51	946,335	93.941	1.03004
-	Totals	88	935,489	88.659	1.00756	98	1,281,293	92.651	1.02420

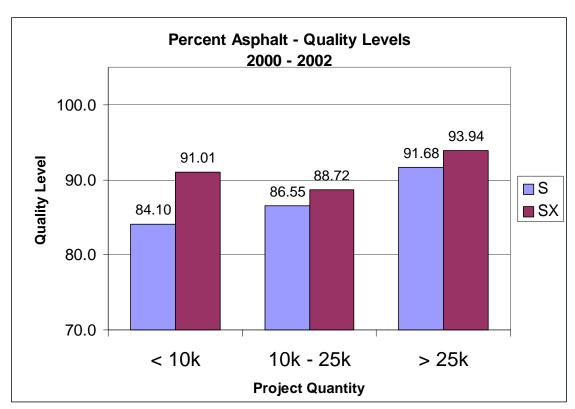


Figure 14. Percent Asphalt Quality Levels by Project Size

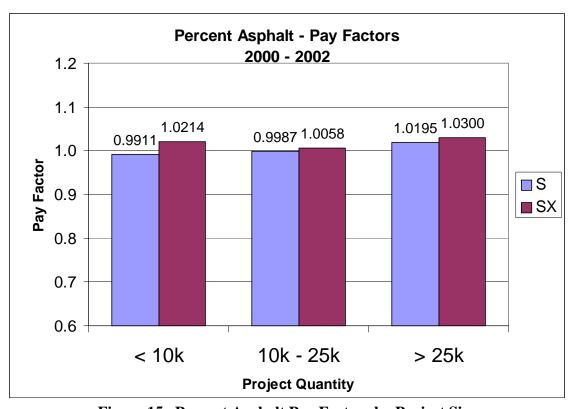


Figure 15. Percent Asphalt Pay Factors by Project Size

Table 6. Evaluation of Test Elements by Project Size Mat Density

		Grading S				Grading SX				
Year	Project	No. of	Total			No. of	Total		-	
	Quantity	<b>Proces</b>	Tons	QL	PF	<b>Proces</b>	Tons	QL	PF	
2000	< 10k	6	32,512	93.911	1.03562	4	13,977	81.763	0.96831	
	10k - 25k	21	160,850	91.453	1.02173	7	85,418	95.479	1.03921	
	> 25k	7	192,144	92.165	1.01629	25	319,189	90.006	1.00266	
-										
	Totals 00	34	385,506	92.015	1.02019	36	418,584	90.848	1.00897	
2001	< 10k	8	37,633	90.789	1.01334	4	9,872	86.048	0.98992	
2001	10k - 25k	13	110,677	91.755	1.02099	15	93,959	91.731	1.02054	
	> 25k	11	222,625	95.894	1.02099	7	190,634	93.000	1.02034	
	> 25K	11	222,023	95.694	1.04176	1	190,034	93.000	1.02379	
=	Totals 01	32	370,935	94.141	1.03269	26	294,465	92.362	1.02291	
2002	< 10k	18	58,395	88.758	1.00705	3	10,807	95.252	1.03993	
	10k - 25k	8	63,420	95.795	1.03844	8	68,276	96.152	1.04319	
	> 25k	1	25,757	92.614	1.02256	12	323,024	96.605	1.04576	
-	Totals 02	27	147,572	92.455	1.02325	23	402,107	96.492	1.04517	
			·				,			
00-02	< 10k	32	128,540	90.656	1.01612	11	34,656	87.190	0.99680	
	10k - 25k	42	334,947	92.375	1.02465	30	247,653	94.243	1.03322	
	> 25k	19	440,526	94.075	1.02954	44	832,847	93.251	1.02467	
-	Totals	93	904,013	92.959	1.02582	85	1,115,156	93.283	1.02570	

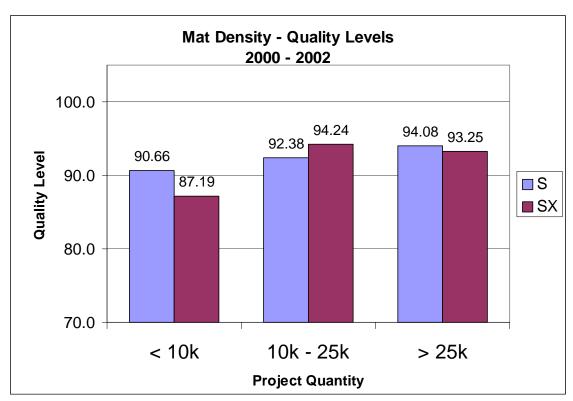


Figure 16. Mat Density Quality Levels by Project Size

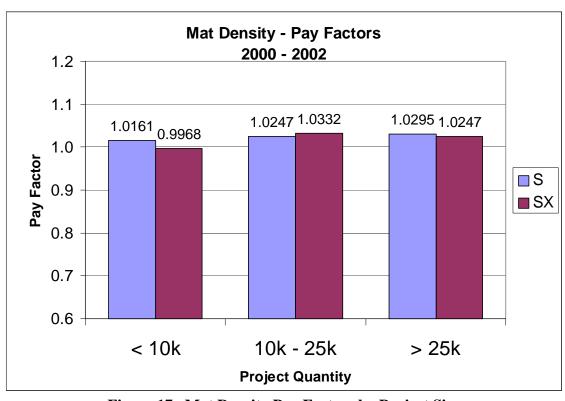


Figure 17. Mat Density Pay Factors by Project Size

Table 7. Evaluation of Test Elements by Project Size Gradation

			Gradi	ng S		Grading SX				
Year	Project	No. of	Total		•	No. of	Total			
	Quantity	<b>Proces</b>	Tons	QL	PF	<b>Proces</b>	Tons	QL	PF	
2000	< 10k	5	29,781	79.909	0.93631	2	8,208	61.392	0.96027	
	10k - 25k	19	185,028	82.970	1.00621	8	101,165	77.589	0.96442	
	> 25k	7	192,544	91.357	1.02923	21	319,325	86.320	1.00517	
_	=		10= 0=0	00 = 11	1 0 1 1 0 0		100.000		0.00.100	
	Totals 00	31	407,353	86.711	1.01198	31	428,698	83.782	0.99469	
2001	< 10k	4	26,879	88.119	1.01749	3	6,856	89.942	1.02631	
200.	10k - 25k	9	98,846	77.403	0.98319	14	109,865	81.587	0.99238	
	> 25k	10	221,913	86.450	1.00402	10	224,318	90.143	1.01862	
	7 2011	.0	221,010	00.100		.0	22 1,0 10	001110	1101002	
	Totals 01	23	347,638	84.007	0.99914	27	341,039	87.383	1.01032	
2002	< 10k	4	21,044	88.356	1.02296	1	5,328	100.000	1.02500	
	10k - 25k	7	65,123	80.976	0.95560	7	64,527	75.212	0.97596	
	> 25k	1	25,757	98.319	1.04500	13	373,124	92.034	1.02823	
-	Totals 02	12	111,924	86.355	0.98884	21	442,979	89.679	1.02058	
		40						0.4.0=0		
00-02	< 10k	13	77,704	85.037	0.98786	6	20,392	81.078	0.99939	
	10k - 25k	35	348,997	81.021	0.99024	29	275,557	78.626	0.97827	
	> 25k	18	440,214	89.291	1.01745	44	916,767	89.581	1.01785	
-	Totals	66	866,915	85.580	1.00384	79	1,212,716	86.949	1.00855	

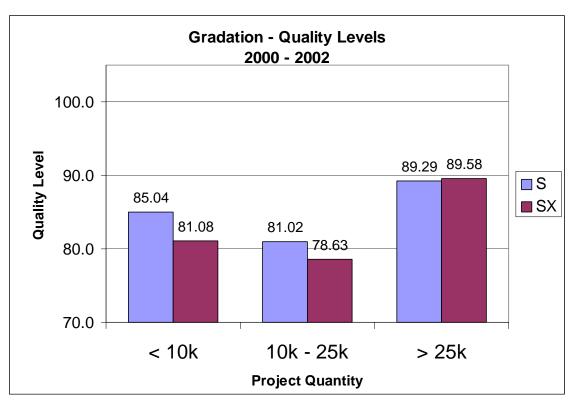


Figure 18. Gradation Quality Levels by Project Size

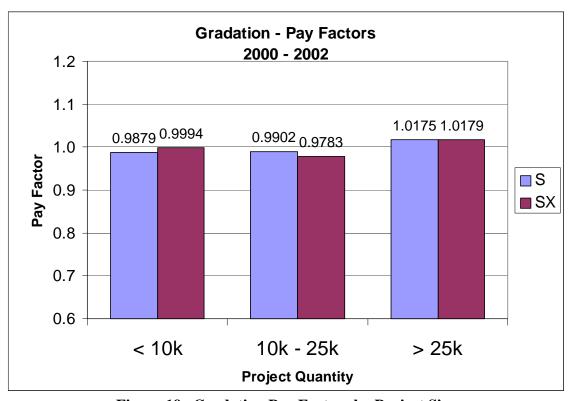


Figure 19. Gradation Pay Factors by Project Size

#### 5.9 Supplier Performance

Report 3 that appears in Appendix A details the supplier's performance for the three-year period 2000 to 2002. It is hoped that through time the supplier's results would increase. The report is sorted by supplier and then by project bid date. The results of this review are mixed at best. No clear trend can be established for any of the suppliers. The report does a better job of giving an overall evaluation of the supplier's performance for the time period.

#### 5.10 Recap Reports, 2000 to 2002 Data

A great amount of information is presented in Reports 4-7 in Appendix A. A recap report for each of the test elements for the years 2000 to 2002 is given in which the data is grouped by grading and then by year. The region's results are also given for each year. The standard deviation information for the gradation element is detailed in a separate report.

#### **5.11 Yearly Reports**

Appendices B, C, & D contain a series of detailed reports for each of the years 2000 to 2002. A project listing is generated for each year showing the projects evaluated. The Project Data report contains all of the test data for each project. This is the best report to review when concerned about any single project. There are detailed reports for each of the test elements and recap reports that show different sortings of the same data. These reports detail the calculations that are used throughout this report.

#### 6.0 CONCLUSIONS

Overall the quality of hot bituminous pavement has shown improvement in the years 2000 to 2002. When evaluating the overall results for the projects, by looking at the Calculated Pay Factor Composite, there has been improvement shown in each year since 2000. Measurable improvement has been seen in the density element. The Quality Levels for this element continue to improve. The mean for the test results also continues to move towards the target value for the specification, 94 percent compaction. The results for 2002 are the best of any year evaluated for this element. This element has the best Quality Level results of any of the test elements. The gradation element shows slight improvements since 2000. The results for 2002 are the highest of any year in which a large number of projects were evaluated. However, this element continues to rank last in Quality Level results as compared to the other elements. The Pay Factor for this element continues to be around the neutral amount of 1.0. The results in the percent asphalt element have remained constant. The Quality Levels have moved both up and down for this element and continue to be in the range between 90.2 and 91.3. Of the two major mixes used, grading SX has shown better test results than S in each year when reviewing the Calculated Pay Factor Composite. The same holds true for most of the years when reviewing the element Quality Levels. The projects from 2000 to 2002 were reviewed to see if the size of the project, plan quantity of hot bituminous pavement, made a difference in the Quality Level results. There does seem to be a correlation between project size and Quality Level results, larger projects performing better. However, the smaller projects' performance was only slightly below that of the larger projects.

#### 7.0 UPDATES AND CONTACT

The QC database will be updated as additional project data is received. Project data that was received after the cut-off date was not able to be included in this report. If you have any questions concerning this report please contact Eric Chavez at 303 757-9308, <a href="mailto:Eric.Chavez@dot.state.co.us">Eric.Chavez@dot.state.co.us</a>. If you find any errors in the project data please report them to Eric Chavez.

#### REFERENCES

- 1. Revisions of the Standard Specifications, Sections 105, Control of Work and 106, Control of Material; to be used with the 1992 Pilot Projects, by the Staff Materials Branch, CDOT, March 1992. (QPM 1)
- 2. Revision of Sections 105 and 106, Quality of Hot Bituminous Pavement, April 25, 1995 (Reissued with minor editorial changes, March 7,1996). CDOT, 4201 East Arkansas Avenue, Denver, CO 80222. (QPM 2)
- 3. HBP QA/QC Pilot Projects Construction in 1992, Interim Report. Report No. CDOT-DTD-R-93-14, by Bud A. Brakey, Colorado Department of Transportation, 4201 East Arkansas Avenue, Denver, CO 80222.
- 4. HBP QA/QC Pilot Projects Construction in 1993, Second Interim Report, by Bud A. Brakey, Colorado Department of Transportation, 4201 East Arkansas Avenue, Denver, CO 80222.
- 5. Hot Bituminous Pavement QC/QA Projects Constructed in 1994 and Summary of the 1992-1994 QC/QA Pilot Program, Final Report, June 1995, by Bud A. Brakey,
- 6. HBP QC&QA Projects Constructed in 1995 Under QPM 1 and QPM 2 Specifications, (1996 fourth annual report by Bud A Brakey, Colorado Department of Transportation, 4201 East Arkansas Avenue, Denver, CO 80222.), Report No. CDOT-R-96-9.
- 7. HBP QC&QA Projects Constructed in 1996 Under QPM 2 Specifications, (May 1997, fifth annual report by Bud A. Brakey, Colorado Department of Transportation, 4201 East Arkansas Avenue, Denver, CO 80222), Report No. CDOT-DTD-R-97-9.
- 8 HBP QC&QA Projects Constructed in 1997 Under QPM 2 Specifications, (sixth annual report, May 1998, Bud A Brakey, Colorado Department of Transportation, 4201 East Arkansas Ave, Denver, CO 80222), Report No. CDOT-DTD-R-98-4.

# Appendix A Recap Reports for Project Data 2000 to 2002

Report 3	Calculated Pay Factor Composite by SupplierA - 1
Report 4	Asphalt Content – Recap by Grading/Year/RegionA - 11
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#### Calculated Pay Factor Composite by Supplier

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/02.

Projects with Plan Quantities from 0 to 200000 tons.

PFC is back calculated from the Project's I/DP.

A Calculated Average Unit Price is used in the calculation.

Supplie	r: 8				Total	Average		Pay Factor
;	Subaccount	Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
	13505	02/01/01	5	SX	32,607	\$34.12	(\$47,508.28)	0.95729
							Maximu	m: 0.95729
	N	umber of Pro	ojects:	1	Total Tons	: 32,607	Minimu	m: 0.95729
							Averag	je: 0.95729
Supplie	r: 10				Total	Average		Pay Factor
	Subaccount	Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
	92054	09/21/00	6	S	14,826	\$39.40	(\$13,823.66)	0.97634
							Maximu	m: 0.97634
	N	umber of Pr	ojects:		Total Tons	: 14,826	Minimu	m: 0.97634
							Averaç	je: 0.97634
Supplie	r: 11				Total	Average		Pay Factor
	Subaccount	Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
	13325	03/15/01	3	SX	59,794	\$34.57	\$90,629.19	1.04384
	13880	02/28/02	5	SX	58,169	\$37.22	\$41,488.59	1.01916
	13551	03/07/02	3	SX	45,607	\$35.69	\$68,219.76	1.04191
	13017	08/22/02	5	SX	2,667	\$53.70	\$1,921.18	1.01341
							Maximu	m: 1.04384
	N	lumber of Pr	ojects:	4	Total Tons	: 166,237	Minimu	m: 1.01341
							Averag	ge: 1.02958

Supplie	r: 12				Total	Average		Pay Factor
	Subaccount	Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
	13106	01/04/01	3	SX	13,023	\$41.15	\$12,363.11	1.02307
	13328	01/18/01	3	SX	2,340	\$55.90	\$981.04	1.00750
	13525	01/18/01	3	SX	3,175	\$59.15	\$1,690.25	1.00900
	13112	02/15/01	3	SX	12,935	\$37.64	(\$11,319.84)	0.97675
	12305	05/17/01	3	SX	6,856	\$57.73	(\$597.29)	0.99849
	13087	07/19/01	3	SX	19,340	\$44.50	(\$1,619.22)	0.99812
	12798	01/31/02	5	SX	3,312	\$67.20	\$5,310.01	1.02386
	14046	07/11/02	5	SX	36,319	\$32.46	\$36,402.52	1.03088
							Maximum:	1.03088
	N	umber of Pr	ojects:	8	Total Tons:	97,300	Minimum:	0.97675
							Average:	1.00846
Supplie	r: 13	-			T-4-1	A		Day Faster
	Subaccount	Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	Pay Factor Composite
	13024	01/06/00	1	S	14,820	\$40.31	(\$11,154.57)	0.98133
	13435	01/31/02	1	SX	21,671	\$44.78	(\$2,667.00)	0.99725
	13854	12/05/02	1	SMA	47,602	\$44.62	(\$22,222.33)	0.98954
							Maximum:	0.99725
	N	umber of Pr	ojects:	3	Total Tons:	84,093	Minimum:	0.98133
							Average:	0.98937
Supplie	er: 14				Total	A		Pay Factor
	Subaccount	Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	Composite
	12598	03/23/00	2	S	40,822	\$37.50	\$46,225.48	1.03020
	12362	07/20/00	1	S	16,000	\$41.00	\$22,940.43	1.03730
	13008	01/25/01	1	S	23,373	\$45.00	(\$2,511.60)	0.99761
	13109	03/08/01	3	F	27,053	\$36.66	\$16,617.00	1.01676
	13108	06/14/01	3	sx	81,937	\$38.20	\$110,449.67	1.03528
	13340	01/24/02	6	S	4,000	\$38.00	(\$12,061.20)	0.93652
							Maximum	1.03730
	N	umber of Pr	ojects:	6	Total Tons:	193,185	Minimum	0.93652
							Average	1.00894

Report 3 1/1/00 to 12/31/02 Page 2 of 9

oappiici	: 16				Total	Average		Pay Factor
	Subaccount	Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
	12732	01/27/00	3	SX	28,590	\$35.71	\$26,460.14	1.02592
	12271	04/06/00	3	SX	30,674	\$50.68	(\$11,804.81)	0.99241
	13104	05/11/00	3	SX	37,551	\$41.98	\$56,942.92	1.03612
	13092	06/22/00	3	SX	44,794	\$35.67	\$14,549.86	1.00911
	12981	06/29/00	3	SX	3,597	\$70.00	\$4,296.64	1.01706
	11805	07/13/00	3	SX	2,133	\$72.14	\$4,043.85	1.02628
	12153	10/26/00	3	SMA	58,543	\$39.65	\$26,411.26	1.01138
	13485	08/02/01	3	SX	22,209	\$30.98	(\$5,398.44)	0.99215
	13864	03/28/02	3	SX	60,240	\$33.21	\$74,852.29	1.03742
	13866	03/28/02	3	SX	45,414	\$30.37	\$51,466.21	1.03732
							Maximum:	1.03742
	N	umber of Pr	ojects:	10	Total Tons:	333,745	Minimum:	0.99215
							Average:	1.01852
Supplier	: 17	-						D. F
	Subaccount	Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	Pay Factor Composite
	13185	04/06/00	2	s	18,966	\$42.75	(\$6,897.13)	0.99149
	11581	04/27/00	2	S	13,290	\$40.00	\$2,961.28	1.00557
	13255	12/07/00	1	SX	21,497	\$33.20	(\$18,298.76)	0.97436
	93200	01/18/01	2	S	3,003	\$30.00	(\$6,289.84)	0.93018
	13330	01/25/01	3	SX	16,775	\$37.64	\$8,047.89	1.01274
	13578	10/10/02	2	S	3,335	\$46.00	(\$12,062.69)	0.92137
	13513	12/05/02	1	SX	52,244	\$27.70	\$68,129.53	1.04708
						·	Maximum	1.04708
	N	lumber of Pr	ojects:	7	Total Tons	: 129,110	Minimum	0.92137
							Average	0.98326
Supplier								DE1
	Subaccount	Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	Pay Factor Composite
	13386	07/27/00	5	SX	4,611	\$47.50	\$1,004.72	1.00459
							Maximum	1.00459
	N	lumber of Pr	ojects:	1	Total Tons	: 4,611	Minimum	1.00459

Supplie	r: 19				Total	Average		Pay Factor
	Subaccount	Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
	13434	02/07/02	1	SX	23,468	\$45.25	\$17,635.30	1.01661
	13066	06/27/02	6	SMA	19,785	\$42.50	\$28,431.05	1.03381
							Maximum	1.03381
	N	umber of Pro	ojects:	2	Total Tons:	43,253	Minimum:	1.01661
							Average:	1.02521
Supplie	r: 20				Total	Average		Pay Factor
	Subaccount	Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
	13057	01/27/00	5	SX	46,280	\$41.59	\$30,092.47	1.01563
	12737	05/18/00	3	SX	24,790	\$54.64	(\$8,567.29)	0.99368
	13556	12/21/00	3	sx	6,462	\$33.98	\$4,296.52	1.01957
	13734	07/12/01	3	SX	20,605	\$34.97	\$12,170.94	1.01689
							Maximum:	1.01957
	N	umber of Pre	ojects:	4	Total Tons:	98,137	Minimum:	0.99368
							Average:	1.01144
Supplie	r: 21				<b>-</b>			D. 5 .
	Subaccount	Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	Pay Factor Composite
	12733	01/20/00	3	SX	34,351	\$38.40	\$51,791.95	1.03926
	12018	09/14/00	3	SX	23,204	\$45.55	\$48,296.09	1.04569
							Maximum:	1.04569
	N	lumber of Pro	ojects:	2	Total Tons:	57,555	Minimum	1.03926
							Average:	1.04247
Supplie	r: 25				Total	Average		Pay Factor
	Subaccount	Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
	12801	03/22/01	5	SX	3,466	\$47.00	\$3,530.94	1.02168
							Maximum	1.02168
	N	lumber of Pr	ojects:		Total Tons:	3,466	Minimum	1.02168
							Average	1.02168
Supplie	r: 29				Total	Avoraga		Pay Foots
	Subaccount	Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	Pay Factor Composite
	12735	01/20/00	3	SX	34,752	\$30.40	\$6,230.05	1.00590
							Maximum	1.00590
	N	lumber of Pr	ojects:	1	Total Tons:	34,752	Minimum	1.00590
							Average	1.00590

Supplie	r: 30				Total	Average		Pay Factor
	Subaccount	Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
	13165	12/21/00		S	61,605	\$30.00	\$77,150.01	1.04174
							Maximum:	1.04174
	1	lumber of Pr	ojects:		Total Tons	: 61,605	Minimum:	1.04174
							Average:	1.04174
Supplie	r: 31				Total	Average		Pay Factor
	Subaccount	Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
	12238	12/14/00	3	SX	74,888	\$56.50	(\$161,120.55)	0.96192
		-				-	Maximum:	0.96192
	1	lumber of Pr	ojects:		Total Tons	: 74,888	Minimum:	0.96192
							Average:	0.96192
Supplie	r: 32				Total	Average		Pay Factor
	Subaccount	Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
	12583	01/27/00	2	S	17,655	\$43.05	\$7,790.15	1.01025
	11955	01/11/01	2	S	63,731	\$30.00	\$17,728.64	1.00927
	13131	05/24/01	2	S	43,155	\$34.50	\$46,253.77	1.03107
	12829	10/04/01	2	S	3,000	\$40.00	\$1,274.67	1.01062
	13446	01/24/02	2	S	12,032	\$32.00	\$11,793.25	1.03063
	12609	03/07/02	3	SX	18,443	\$38.21	\$6,897.46	1.00979
							Maximum:	1.03107
	1	lumber of Pr	ojects:	6	Total Tons	: 158,016	Minimum:	1.00927
							Average:	1.01694
Supplie	r: 33				Total	Average		Pay Factor
	Subaccount	Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
	12865	04/20/00	6	S	7,494	\$30.00	(\$4,726.27)	0.97898
	11911	11/30/00	6	S	11,986	\$38.00	(\$1,965.20)	0.99569
	13178	05/17/01	6	S	52,567	\$31.30	\$46,903.55	1.02851
	13275	09/06/01	6	S	2,752	\$42.00	\$2,600.64	1.02250
	13352	02/07/02	6	S	60,925	\$45.20	\$70,954.80	1.02577
	13982	04/25/02	4	SX	45,000	\$39.00	\$58,709.69	1.03345
	13917	07/11/02	6	S	14,661	\$42.11	\$2,741.40	1.00444
	13357	12/12/02	6	SX	12,322	\$34.00	\$3,204.53	1.00765
	13494	12/12/02	1	SX	16,845	\$34.43	\$19,458.52	1.03355
							Maximum	: 1.03355
	ı	Number of Pr	ojects:	9	Total Tons	: 224,552	Minimum	0.97898
							Average	1.01450

Supplie	r: 37				Total	Average		Pay Factor
	Subaccount	Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
	13549	01/24/02	6	S	10,796	\$34.50	(\$30,824.74)	0.91724
	13573	04/18/02	6	S	2,220	\$38.82	(\$14,137.12)	0.83596
							Maximum:	0.91724
	N	umber of Pro	ojects:	2	Total Tons:	13,016	Minimum:	0.83596
							Average:	0.87660
Supplie	r: 38				Total	Average	-	Dov Footor
	Subaccount	Bid Date	Region	Grading	Tons	Average Price	Project I/DP	Pay Factor Composite
	12548	03/14/02	2	S	8,980	\$45.00	\$14,147.10	1.03501
					-		Maximum:	1.03501
	N	umber of Pro	ojects:	1	Total Tons:	8,980	Minimum:	1.03501
							Average:	1.03501
Supplie	r: 40	-			Total	A		Bay Faster
	Subaccount	Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	Pay Factor Composite
	13147	04/26/01	4	S	27,853	\$30.10	\$30,763.32	1.03670
	12761	06/20/02	4	S	8,748	\$35.14	\$7,614.09	1.02477
							Maximum:	1.03670
	N	umber of Pr	ojects:	2	Total Tons:	36,601	Minimum	1.02477
							Average:	1.03074
	44							
Supplie	er: 41				Total	Average		Pay Factor
Supplie	Subaccount	Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	•
Supplie		Bid Date 08/10/00	Region 1	Grading S		_	Project I/DP \$20,150.97	•
Supplie	Subaccount				Tons	Price		Composite
Supplie	Subaccount 11848	08/10/00	1	S	Tons 22,000	Price \$45.79	\$20,150.97	1.02000
Supplie	11848 12056	08/10/00 08/31/00	1 6	s s	22,000 16,000	\$45.79 \$42.00	\$20,150.97 \$6,845.76	1.02000
Supplie	11848 12056 13735	08/10/00 08/31/00 02/07/02	1 6 6	S S S	22,000 16,000 6,620	\$45.79 \$42.00 \$41.07	\$20,150.97 \$6,845.76 \$2,108.64	1.02000 1.01019 1.00776 1.00926

Supplier: 44				Total	A		D
Subaccour	t Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	Pay Factor Composite
11861	03/09/00	2	S	3,675	\$42.00	(\$27,832.65)	0.81968
12858	08/24/00	2	S	8,040	\$47.35	(\$5,590.82)	0.98531
12495	07/12/01	2	S	11,963	\$40.75	(\$29,290.19)	0.93992
12859	06/27/02	2	S	2,700	\$46.69	(\$4,836.56)	0.96163
14002	06/27/02	2	S	12,940	\$36.52	\$15,027.89	1.03180
-						Maximum	1.03180
	Number of Pr	ojects:	5	Total Tons	: 39,318	Minimum	0.81968
						Average:	0.94767
Supplier: 45				Total	Average		Dov Footor
Subaccoun	t Bid Date	Region	Grading	Tons	Average Price	Project I/DP	Pay Factor Composite
11849	05/04/00		SX	4,222	\$42.42	(\$15,206.30)	0.91509
13077	05/11/00	1	S	10,572	\$35.00	\$16,565.64	1.04477
92911	08/17/00	6	S	11,721	\$56.16	\$13,013.84	1.01977
13349	01/04/01	6	S	31,000	\$50.84	\$51,180.47	1.03195
13441	04/05/01	2	S	9,196	\$41.09	(\$25,978.58)	0.93125
12524	05/10/01	1	S	16,886	\$45.96	\$10,051.89	1.01295
12391	08/02/01	2	S	10,017	\$42.02	(\$3,169.71)	0.99247
13507	05/30/02	1	S	7,600	\$45.51	\$14,872.67	1.04300
						Maximum	1.04477
	Number of Pr	ojects:	8	Total Tons	: 101,214	Minimum	0.91509
						Average	0.99891
Supplier: 49				Total	Average		Pay Factor
Subaccour	t Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
11959	01/13/00	2	S	33,353	\$39.00	(\$46,207.36)	0.96448
12632	01/13/00	2	S	2,731	\$47.20	(\$2,302.11)	0.98214
12963	01/20/00	2	S	18,832	\$43.78	\$34,704.18	1.04209
13240	04/20/00	2	S	42,764	\$35.04	\$35,002.42	1.02336
13390	01/11/01	2	S	34,500	\$41.29	\$26,283.17	1.01845
12390	08/16/01	2	S	7,488	\$30.00	\$7,859.55	1.03499
13362	06/20/02	1	S	7,840	\$46.46	(\$237.86)	0.99935
						Maximum	1.04209
	Number of Pr	ojects:	7	Total Tons	: 147,508	Minimum	0.96448

Average: 1.00927

Supplie	er: 53 Subaccount	Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	Pay Factor Composite
	13448	06/07/01	2	S	22,900	\$39.50	\$16,936.30	1.01872
							Maximum:	1.01872
	Nu	umber of Pro	ojects:	1	Total Tons:	22,900	Minimum:	1.01872
							Average:	1.01872
Supplie	er: 54				T-4-1			5 5 4 0
	Subaccount	Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	Pay Factor Composite
	13538	08/23/01	2	S	6,097	\$47.16	\$10,087.92	1.03508
	13539	09/06/01	2	S	5,276	\$48.00	(\$15,283.93)	0.93965
							Maximum:	1.03508
	Nu	umber of Pro	ojects:	2	Total Tons:	11,373	Minimum:	0.93965
							Average:	0.98736
Supplie	er: 55				Tetal	A., a		Day Forter
	Subaccount	Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	Pay Factor Composite
	13479	01/24/02	2	S	5,970	\$32.35	\$7,338.92	1.03800
	13733	06/20/02	2	S	12,022	\$33.64	\$14,581.78	1.03606
							Maximum	1.03800
	N	umber of Pro	ojects:	2	Total Tons:	17,992	Minimum:	1.03606
							Average:	1.03703
Suppli	er: 56				Total	Average		Pay Factor
	Subaccount	Bid Date	Region	Grading	Tons	Price	Project I/DP	Composite
	13537	08/02/01	5	sx	51,980	\$41.20	\$98,417.44	1.04596
							Maximum	1.04596
	N	umber of Pro	ojects:	1	Total Tons:	51,980	Minimum	1.04596
							Average	1.04596
Suppli	er: 57				Total	Avorant		Pay Factor
	Subaccount	Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	Composite
	12800	11/14/02	5	SX	5,328	\$51.00	\$10,325.66	1.03800
							Maximum	
	M	umber of Pro	oiects:	1	Total Tons:	5 229	Minimum	1.03800
	14	ulliber of Fre	ojecis.	•	Total Tolls.	5,320	William	1.00000

	r: 60 Subaccount	Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	Pay Factor Composite
	12644	10/26/00	4	S	25,499	\$48.57	(\$3,851.44)	0.99692
							Maximum:	0.99692
	No	umber of Pr	ojects:	1	Total Tons:	25,499	Minimum:	0.99692
							Average:	0.99692
upplie	r: 61 Subaccount	Bid Date	Region	Grading	Total Tons	Average Price	Project I/DP	Pay Factor Composite
	11543	06/15/00	1	S	11,753	\$51.00	\$17,510.95	1.02921
							Maximum:	1.02921
	N	umber of Pr	ojects:	1	Total Tons:	11,753	Minimum	1.02921
							Average:	1.02921

Composite

Number of Projects: 106 Total Tons: 2,357,488 Maximu

Maximum: 1.04708
Minimum: 0.81968

Average: 1.00498

## Asphalt Content - Recap by Grading/Year/Region

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/02.

Projects with Plan Quantities from 0 to 200000 tons.

							Weighted	Average:	
Grading:	F		Processes	Tons	Tests	Price	Quality Level	Pay Factor	St. Dev
	2001								
	Region: 3		1	3,126	3	\$37.26	100.000	1.02500	0.046
•	Totals	2001	1	3,126	3	\$37.26	100.000	1.02500	0.046
	Totals - Gra	ding: F	1	3,126	3	\$37.26	100.000	1.02500	0.046
							Weighted	Average:	
Grading:	S		Processes	Tons	Tests	Price	Quality Level	Pay Factor	St. Dev
•	2000								
	Region: 1		7	136,178	137	\$37.14	94.049	1.02860	0.132
	Region: 2		17	195,102	208	\$39.37	86.072	0.99655	
	Region: 4		3	24,281	25	\$48.65	89.848	1.02265	
	Region: 6		6	61,027	62	\$42.03	85.840	0.99719	0.152
	Totals	2000	33	416,588	432	\$39.57	88.866	1.00864	0.158
•	2001								
	Region: 1		5	40,259	46	\$45.40	90.175	1.01563	
	Region: 2		17	217,131	220	\$36.23	85.062	0.98996	0.189
	Region: 4		2	26,162	28	\$30.14	91.139	1.02668	
	Region: 6		6	85,491	86	\$38.73	91.498	1.02412	0.157
•	Totals	2001	30	369,043	380	\$37.38	87.541	1.00327	0.178
•	2002								
	Region: 1		4	15,440	17	\$45.99	89.857	1.00805	0.107
	Region: 2		9	57,979	60	\$36.89	96.264	1.03486	0.149
	Region: 4		6	16,216	21	\$36.62	89.158	1.00743	0.157
	Region: 6		6	60,223	62	\$39.39	86.317	0.99994	0.179
•	Totals	2002	25	149,858	160	\$38.80	90.838	1.01510	0.158
	Totals - Gra	dina. C	88	935,489	972	\$38.58	88.659	1.00756	0.166

							Weighted	Average:	
Grading:	SMA		Processes	Tons	Tests	Price	Quality Level	Pay Factor	St. Dev
	2000							-	
	Region: 3		2	17,033	17	\$48.36	73.488	0.94554	0.191
	Totals	2000	2	17,033	17	\$48.36	73.488	0.94554	0.191
	2002					-			
	Region: 1		2	31,814	32	\$48.70	90.569	1.02191	0.167
	Region: 6		3	54,953	51	\$46.66	84.825	0.99076	0.172
	Totals	2002	5	86,767	83	\$47.41	86.931	1.00218	0.170
	Totals - Gr	rading: SMA	7	103,800	100	\$47.56	84.725	0.99289	0.173
							Weighted	Average:	
Grading:	SX		Processes	Tons	Tests	Price	Quality Level	Pay Factor	St. Dev.
	2000								
	Region: 1		3	23,719	27	\$34.84	80.637	0.98386	0.227
	Region: 3		32	376,886	439	\$43.68	92.484	1.02312	0.147
	Region: 5		3	50,891	52	\$42.13	94.661	1.03486	0.135
	Totals	2000	38	451,496	518	\$43.04	92.107	1.02238	0.150
,	2001								
	Region: 3		29	278,907	297	\$37.85	93.822	1.02985	0.136
	Region: 5		5	88,053	91	\$38.81	98.653	1.04964	0.101
,	Totals	2001	34	366,960	388	\$38.08	94.981	1.03460	0.127
,	2002								
	Region: 1		6	130,016	134	\$35.64	85.352	0.98556	0.188
	Region: 3		10	169,704	173	\$33.66	96.159	1.04087	0.129
	Region: 4			45,000	45	\$39.00	94.111	1.03472	0.159
	Region: 5		7	105,795	108	\$37.63	90.930	1.01579	0.159
	Region: 6		2	12,322	16	\$34.00	81.265	0.99342	0.231
	Totals	2002	26	462,837	476	\$35.65	91.333	1.01774	0.158
	Totals - G	rading: SX	98	1,281,293	1382	\$38.95	92.650	1.02420	0.146

Statewide Totals					Weighted	Average:	
	Processes	Tons	Tests	Price	Quality Level	Pay Factor	St. Dev.
	194	2,323,708	2457	\$39.18	90.700	1.01610	0.155

## Mat Density - Recap by Grading/Year/Region

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/02.

Projects with Plan Quantities from 0 to 200000 tons.

					Weig	ghted Avera	ige	
Grading: S	Processes	Total Tons	Tests	Price	Quality Level	Pay Factor	St. Dev.	Mean
2000								
Region: 1	7	133,350	270	\$37.03	95.483	1.03787	0.893	93.67
Region: 2	19	186,838	387	\$39.55	90.892	1.01275	0.925	93.37
Region: 4	2	3,791	10	\$56.73	91.843	1.03339	0.848	93.10
Region: 6	6	61,527	124	\$41.85	87.918	1.00367	0.938	93.12
Totals: 2000	34	385,506	791	\$39.21	92.015	1.02019	0.915	93.43
2001	·			-				
Region: 1	6	39,961	86	\$45.40	87.577	0.99778	1.039	93.72
Region: 2	17	218,630	440	\$36.28	94.018	1.03174	0.933	93.83
Region: 4	3	27,853	58	\$30.10	97.883	1.05078	0.854	93.86
Region: 6	6	84,491	169	\$38.61	96.330	1.04569	0.855	93.89
Totals: 2001	32	370,935	753	\$37.33	94.141	1.03269	0.921	93.84
2002						-		
Region: 1	4	15,440	33	\$45.99	93.709	1.03178	1.007	93.99
Region: 2	9	52,978	109	\$37.31	93.365	1.02772	0.991	93.71
Region: 4	6	16,216	39	\$36.62	97.833	1.03474	0.673	93.72
Region: 6	8	62,938	131	\$39.39	89.997	1.01443	0.788	93.11
Totals: 2002	27	147,572	312	\$39.03	92.455	1.02325	0.871	93.48
Totals Grading S	93	904,013	1,856	\$38.41	92.959	1.02582	0.910	93.61

					Weig	ghted Avera	ge	
Grading: SMA	Processes	Total Tons	Tests	Price	Quality Level	Pay Factor	St. Dev.	Mean
2000								_
Region: 3	2	17,033	34	\$48.36	90.952	1.02727	1.020	95.15
Totals: 2000		17,033	34	\$48.36	90.952	1.02727	1.020	95.15
2002								
Region: 1	2	31,814	63	\$48.70	84.429	0.96768	1.352	94.62
Region: 6	3	54,953	111	\$46.66	95.818	1.04774	0.972	94.82
Totals: 2002	5	86,767	174	\$47.41	91.642	1.01838	1.111	94.75
Totals Grading SMA	7	103,800	208	\$47.56	91.529	1.01984	1.096	94.82

					Weig	hted Avera	ge	
Grading: SX	Processes	Total Tons	Tests	Price	Quality Level	Pay Factor	St. Dev.	Mean
2000								
Region: 1	3	25,633	55	\$34.69	87.938	1.00538	1.190	93.56
Region: 3	30	344,463	687	\$44.49	91.161	1.01053	0.955	93.57
Region: 5	3	48,488	98	\$42.09	90.163	0.99982	0.829	93.11
Totals: 2000	36	418,584	840	\$43.61	90.848	1.00897	0.955	93.52
2001								
Region: 3	21	206,912	427	\$38.24	93.586	1.03136	1.002	93.85
Region: 5	5	87,553	178	\$38.83	89.469	1.00295	1.062	93.56
Totals: 2001	26	294,465	605	\$38.42	92.362	1.02291	1.020	93.76
2002								
Region: 1	6	130,016	263	\$35.64	97.814	1.05282	0.781	93.81
Region: 3	9	144,419	292	\$34.28	96.624	1.04642	0.900	93.96
Region: 4	1	44,000	89	\$39.00	95.087	1.03680	0.837	93.38
Region: 5	5	71,350	145	\$38.48	96.068	1.03934	0.945	94.00
Region: 6	2	12,322	28	\$34.00	88.446	1.01331	0.995	93.31
Totals: 2002	23	402,107	817	\$35.97	96.491	1.04517	0.865	93.83
Totals Grading SX	85	1,115,156	2,262	\$39.49	93.283	1.02570	0.940	93.70
Statewide Totals					We	ighted Avera	age	
	Processes	Total Tons	Test <b>s</b>	Price	Quality Level	Pay Factor	St. Dev.	Mean
	185	2,122,969	4,326	\$39.42	93.059	1.02547	0.935	93.71

## Gradation - Process Information - Recap by Grading/Year/Region

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/02.

Projects with Plan Quantities from 0 to 200000 tons.

				We	ighted Average	•
ading: S	Processes	Tons	Tests	Price	Quality Level	Pay Factor
2000						
Region: 1	7	134,750	69	\$37.08	87.882	1.01972
Region: 2	15	190,897	106	\$39.23	88.000	1.01114
Region: 4	3	19,679	12	\$48.99	64.554	0.94015
Region: 6	6	62,027	33	\$41.83	87.228	1.02054
Totals: 2000	31	407,353	220	\$39.39	86.711	1.01198
2001						
Region: 1	4	38,684	21	\$45.42	79.983	0.99997
Region: 2	12	201,053	102	\$36.03	83.959	0.99541
Region: 4	2	24,162	13	\$30.19	86.361	1.02151
Region: 6	5	83,739	42	\$38.78	85.300	1.00126
Totals: 2001	23	347,638	178	\$37.33	84.007	0.99914
2002						
Region: 1	2	10,587	7	\$48.15	84.009	1.01790
Region: 2	5	46,086	24	\$35.06	93.628	1.02391
Region: 4		4,037	3	\$40.70	100.000	1.02500
Region: 6	4	51,214	29	\$39.45	79.219	0.94841
<b>Totals: 2002</b>	12	111,924	63	\$38.51	86.355	0.98884
Totals Grading:	<b>S</b> 66	866,915	461	\$38.45	85.580	1.00384

					We	eighted Average	9
Grading:	SMA	Processes	Tons	Tests	Price	Quality Level	Pay Factor
·	2000						
	Region: 3		11,075	7	\$48.53	75.968	0.97274
	Totals: 2000		11,075	7	\$48.53	75.968	0.97274
•	2002						
	Region: 1	2	31,812	16	\$48.70	86.898	0.99783
_	Region: 6	3	54,953	26	\$46.66	89.247	1.02522
	<b>Totals: 2002</b>	5	86,765	42	\$47.41	88.386	1.01518
	Totals Grading: SM	6	97,840	49	\$47.53	86.980	1.01038
					We	eighted Average	3
Grading:	SX	Processes	Tons	Tests	Price	Quality Level	Pay Factor
	2000						
	Region: 1	2	21,497	11	\$33.20	68.445	0.91526
	Region: 3	26	356,310	210	\$43.83	83.835	0.99569
	Region: 5	3	50,891	27	\$42.13	89.890	1.02130
	Totals: 2000	31	428,698	248	\$43.09	83.782	0.99470
	2001						
	Region: 3	23	258,452	152	\$37.84	88.481	1.01409
	Region: 5	4	82,587	43	\$38.58	83.947	0.99852
_	Totals: 2001	27	341,039	195	\$38.02	87.383	1.01032
	2002						
	Region: 1	6	130,015	68	\$35.64	87.161	1.01207
	Region: 3	9	166,501	87	\$33.69	89.265	1.01790
	Region: 4	1	44,000	22	\$39.00	91.415	1.02580
	Region: 5	4	94,895	50	\$36.42	93.472	1.03423
_	Region: 6	1	7,568	5	\$34.00	84.441	1.02414
_	Totals: 2002	21	442,979	232	\$35.38	89.680	1.02058
_	Totals Grading: SX	79	,212,716	675	\$38.85	86.949	1.00855

Statewide Totals				w	eighted Averag	je
	Processes	Tons	Tests	Price	Quality Level	Pay Factor
	151	2,177,471	1185	\$39.08	86.406	1.00676

## Gradation - Standard Deviation Information by Grading/Year/Region

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/02.

Projects with Plan Quantities from 0 to 200000 tons.

		Number of				We	ighted A	verage:		
ding: S			Total Tons:	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 20
	2000		-							
	Region 1	7	134,750	1.133	2.326	2.531	2.567	2.504	1.705	0.64
	Region 2	15	190,897	1.421	2.634	2.451	2.338	2.119	1.508	0.70
	Region 4	3	19,679	0.000	2.726	3.729	3.034	2.274	0.896	0.3
	Region 6	6	62,027	1.286	2.414	2.616	2.348	2.348	1.651	0.5
	Totals: 2000	31	407,353	1.236	2.503	2.564	2.449	2.288	1.565	0.6
	2001									
	Region 1	4	38,684	1.631	1.776	2.118	2.706	2.348	1.185	0.4
	Region 2	12	201,053	0.985	2.477	2.652	2.602	2.517	1.664	0.7
	Region 4	2	24,162	0.000	1.711	2.367	2.589	2.478	1.245	0.4
	Region 6	5	83,739	0.690	2.911	2.853	2.643	2.513	1.459	0.8
	Totals: 2001	23	347,638	0.918	2.450	2.621	2.623	2.494	1.532	0.7
	2002						_	-		
	Region 1	2	10,587	2.005	3.605	2.864	2.420	2.292	0.744	0.2
	Region 2	5	46,086	0.433	1.876	1.878	1.634	1.456	0.888	0.6
	Region 4	1	4,037	0.000	2.100	1.500	1.700	1.500	1.200	0.2
	Region 6	4	51,214	0.235	2.671	2.723	2.715	2.199	1.435	0.4
	Totals: 2002	12	111,924	0.476	2.411	2.344	2.205	1.877	1.136	0.5
Total:	s Grading: S	66	866,915	1.010	2.470	2.559	2.487	2.318	1.497	0.6

		Number of				We	ighted A	verage:		
Gradii	ng: SMA	Processes:	Total Tons:	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
	2000								<u> </u>	
	Region 3	1	11,075		0.000	1.100	2.100	1.700	1.000	0.800
	Totals: 2000	1	11,075		0.000	1.100	2.100	1.700	1.000	0.80
	2002									
	Region 1	2	31,812		2.865	3.206	2.240	1.693	0.947	0.63
	Region 6	3	54,953		1.773	2.353	2.489	1.680	1.224	0.93
	Totals: 2002	5	86,765		2.174	2.666	2.398	1.685	1.122	0.82
	Totals Grading: SMA	6	97,840		1.928	2.488	2.364	1.687	1.108	0.81
	<del></del>					We	ighted A	verage:		
Gradii	ng: SX	Number of Processes:	Total Tons:	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 20
	2000									
	Region 1	2	21,497		1.720	2.980	2.640	2.559	1.760	0.91
	Region 3	26	356,310		0.766	1.734	2.361	2.198	1.400	0.59
	Region 5	3	50,891		0.747	.470	2.356	2.043	1.316	0.37
	Totals: 2000	31	428,698		0.812	1.765	2.375	2.198	1.408	0.58
	2001			-						
	Region 3	23	258,452		1.275	2.082	2.364	1.948	1.234	0.53
	Region 5	4	82,587		1.484	2.483	2.095	1.472	0.965	0.58
	Totals: 2001	27	341,039		1.326	2.179	2.299	1.833	1.169	0.54
	2002									
	Region 1	6	130,015		1.057	2.009	2.422	2.631	1.593	0.45
	Region 3	9	166,501		0.718	1.839	2.461	2.261	1.326	0.58
	Region 4	1	44,000		0.800	1.700	2.900	2.400	1.400	0.7
	Region 5	4	94,895		1.142	2.614	2.465	2.407	1.454	0.4
	Region 6	1	7,568		1.300	1.800	2.100	3.100	1.600	1.1
	Totals: 2002	21	442,979		0.926	2.041	2.488	2.429	1.444	0.5
	Totals Grading: SX	79	1,212,716		0.998	1.982	2.395	2.180	1.354	0.5

## Gradation Totals 1/1/00 to 12/31/02 Plan Quantities from 0 to 200000 tons.

			3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
Number of Processes:	151	Max.	3.500	4.500	6.000	8.500	7.000	4.000	1.800
Total Tons:	2,177,471	Min.	0.000	0.000	0.000	0.000	0.500	0.000	0.000
	Weighted	d Average:	0.402	1.626	2.235	2.430	2.212	1.400	
	Key Si	eve Count		14	12	49	26	15	16

## Appendix B Reports for 2000 Projects

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## Project Listing by Region/Subaccount

Projects with Bid Dates from 1/1/00 to 12/31/00.

Region:	1					
Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quant
11543	STA 3851-012	8th Ave in Burlington	61	06/15/00	\$2,739,142.00	10,912
11848	NH 2854-068	Foxton Rd to Eagle Cliff	41	08/10/00	\$21,100,930.37	19,014
11849	IM 0704-184	I-70, Peoria - East	45	05/04/00	\$8,286,657.80	8,161
12362	STA 086A-031	SH 86 E & W of Elizabeth	14	07/20/00	\$2,239,198.45	34,474
13024	STA 0091-015	Frisco/Breckenridge	13	01/06/00	\$1,345,629.50	16,700
13077	STA 0852-085	SH 85 - C 470 South	45	05/11/00	\$549,463.00	9,372
13165	STA 059A-027	Kit Carson I-70 to SH 59	30	12/21/00	\$2,586,296.41	62,570
13255	NH 2854-084	Fairplay N/S	17	12/07/00	\$1,127,000.00	21,133

Number of Projects 8

Total Quantity 182,336

Region:	2					
Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quant.
11581	BR 067A-008	SH 67 South of Florence	17	04/27/00	\$1,872,723.39	12,536
11861	BR 067A-010	SH 67 - Trout Creek	44	03/09/00	\$1,663,166.37	3,600
11959	STA 0242-026	Trout Creek Rd E	49	01/13/00	\$6,721,598.52	30,699
12583	IM 0251-155	I-25/SH 50/SH47 Interchan	32	01/27/00	\$17,416,939.28	17,609
12598	STA 1604-005	SH 160 W	14	03/23/00	\$2,221,794.40	42,375
12632	STA 1151-010	SH 115 & Star Ranch	49	01/13/00	\$472,765.95	2,234
12858	NH 0851-003	SH 16 to Academy	44	08/24/00	\$2,547,157.00	8,042
12963	IM 0252-329	I-25 Bijou to Fillmore (NB)	49	01/20/00	\$13,635,156.32	20,518
13185	NH 0505-036	RR Overpass to Arkansas	17	04/06/00	\$2,587,000.00	17,237
13240	NH 0243-062	Platte & Powers	49	04/20/00	\$10,451,623.57	37,749

Number of Projects 10

Total Quantity 192,599

12018   STR 131A-024   Haymaker Golf Course   21   09/14/00   \$4,186,165.39   11   12153   NHS 0501-038   Kannah Creek East   16   10/26/00   \$12,585,731.63   56   12238   NH 0702-217   Glenwood Canyon Overlay   31   12/14/00   \$10,597,597.00   29   12271   SP 0821-053   ABC to Buttermilk   16   04/06/00   \$11,366,797.65   29   12732   NH 0501-042   Unaweep East   16   01/27/00   \$1,373,126.70   29   12733   NH 0402-057   West Side of Rabbit Ears P   21   01/20/00   \$1,987,231.10   30   12735   STA 0131-040   Meeker   29   01/20/00   \$1,029,865.12   24   12737   PLH-FH 065A-0   Grand Mesa   20   05/18/00   \$1,842,704.78   24   12981   NH 0701-154   1-70 B at 30 Rd   16   06/29/00   \$2,271,045.70   44   13992   STA 0821-057   Glenwood South   16   06/29/00   \$2,271,045.70   44   13104   NH R300-070   Grand Jet Various Locs   16   05/11/00   \$2,805,934.30   44   13556   STA 0402-062   Jet 134 to Tabernash   20   12/21/00   \$3,117,314.54   66   Number of Projects   1	Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quant
12153	11805	BR 006A-028	Eagle River Bridge	16	07/13/00	\$1,238,281.57	1,942
12238	12018	STR 131A-024	Haymaker Golf Course	21	09/14/00	\$4,186,165.39	19,124
12271   SP 0821-053   ABC to Buttermilk   16	12153	NHS 0501-038	Kannah Creek East	16	10/26/00	\$12,585,731.63	58,296
12732 NH 0501-042 Unaweep East	12238	NH 0702-217	Glenwood Canyon Overlay	31	12/14/00	\$10,597,597.00	98,733
12733	12271	SP 0821-053	ABC to Buttermilk	16	04/06/00	\$11,366,679.65	27,140
12735 STA 0131-040 Meeker 29 01/20/00 \$1,029,865.12 2. 12737 PLH-FH 065A-0 Grand Mesa 20 05/18/00 \$1,842,704.78 2. 12981 NH 0701-154 I-70 B at 30 Rd 16 06/29/00 \$1,527,699.25 3. 13092 STA 0821-057 Glenwood South 16 06/22/00 \$2,271,045.70 46 13104 NH R300-070 Grand Jct Various Locs 16 05/11/00 \$2,805,934.30 46 13556 STA 0402-062 Jct 134 to Tabernash 20 12/21/00 \$3,117,314.54 66  **Number of Projects** 13 **Total Quantity** 469,711**  **Region: 4**  **Subacct.** Project Code Location Supplier Bid Date Total Bid Plans (19,000) \$2,000 \$2,0	12732	NH 0501-042	Unaweep East	16	01/27/00	\$1,373,126.70	27,930
12737 PLH-FH 085A-0   Grand Mesa   20   05/18/00   \$1,842,704.78   22   12981   NH 0701-154   I-70 B at 30 Rd   16   06/29/00   \$1,527,699.25   31   3092   STA 0821-057   Glenwood South   16   06/29/00   \$2,271,045.70   44   13104   NH R300-070   Grand Jct Various Locs   16   05/11/00   \$2,805,934.30   44   13556   STA 0402-062   Jct 134 to Tabernash   20   12/21/00   \$3,117,314.54   66	12733	NH 0402-057	West Side of Rabbit Ears P	21	01/20/00	\$1,987,231.10	36,553
12981 NH 0701-154	12735	STA 0131-040	Meeker	29	01/20/00	\$1,029,865.12	24,686
13092   STA 0821-057   Glenwood South   16   06/22/00   \$2,271,045.70   44     13104   NH R300-070   Grand Jet Various Locs   16   05/11/00   \$2,805,934.30   44     13556   STA 0402-062   Jet 134 to Tabernash   20   12/21/00   \$3,117,314.54   66     Number of Projects   13	12737	PLH-FH 065A-0	Grand Mesa	20	05/18/00	\$1,842,704.78	24,568
13104	12981	NH 0701-154	I-70 B at 30 Rd	16	06/29/00	\$1,527,699.25	3,032
13556   STA 0402-062   Jct 134 to Tabernash   20   12/21/00   \$3,117,314.54   66     Number of Projects   13   Total Quantity   469,711     Region: 4     Subacct.   Project Code   Location   Supplier   Bid Date   Total Bid   Plan (9 to 10/26/00   \$21,197,303.87   22 to 10/26/00   \$21,197,303.87   23 to 10/26/00     Number of Projects   1   Total Quantity   22,546     Region: 5     Subacct.   Project Code   Location   Supplier   Bid Date   Total Bid   Plan (9 to 10/26/00   \$2,788,822.08   4 to 10/26/00   \$2,789,619.05	13092	STA 0821-057	Glenwood South	16	06/22/00	\$2,271,045.70	40,294
Number of Projects 13         Total Quantity 469,711           Region: 4         Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plant           12644         IM 0762-041         I-76 Sterling to A         60         10/26/00         \$21,197,303.87         22           Number of Projects 1         Total Quantity 22,546           Region: 5           Subacct. Project Code         Location         Supplier         Bid Date         Total Bid         Plant           13386         C 1603-017         US 160 Sierra Grande HS         18         07/27/00         \$769,619.05         0.00           Number of Projects 2         Total Quantity 48,562           Region: 6           Subacct. Project Code         Location         Supplier         Bid Date         Total Bid         Plant           11911         STU C100-011         Arapahoe and Parker         33         11/30/00         \$2,080,794.90         1           12056         IMB 0761-172         1-76 & 120th Ave         41         08/31/00         \$19,237,802.68         1           12865         NH 0404-036         US 40, Tabor to Kipling         33         04/20/00<	13104	NH R300-070	Grand Jct Various Locs	16	05/11/00	\$2,805,934.30	40,657
Region: 4         Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plant           12644         IM 0762-041         I-76 Sterling to A         60         10/26/00         \$21,197,303.87         23           Number of Projects         1         Total Quantity         22,546           Region: 5           Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plant           13057         STA 149A-018         Creede - North         20         01/27/00         \$2,788,822.08         4-           13386         C 1603-017         US 160 Sierra Grande HS         18         07/27/00         \$769,619.05           Number of Projects         2         Total Quantity         48,562           Region: 6           Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plant           11911         STU C100-011         Arapahoe and Parker         33         11/30/00         \$2,080,794.90         1           12056         IMB 0761-172         I-76 & 120th Ave         41         08/31/00         \$1,9237,802.68         1 </td <td>13556</td> <td>STA 0402-062</td> <td>Jct 134 to Tabernash</td> <td>20</td> <td>12/21/00</td> <td>\$3,117,314.54</td> <td>66,756</td>	13556	STA 0402-062	Jct 134 to Tabernash	20	12/21/00	\$3,117,314.54	66,756
Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plant           12644         IM 0762-041         I-76 Sterling to A         60         10/26/00         \$21,197,303.87         22           Number of Projects         1         Total Quantity         22,546           Region: 5           Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plant           13057         STA 149A-018         Creede - North         20         01/27/00         \$2,788,822.08         4           13386         C 1603-017         US 160 Sierra Grande HS         18         07/27/00         \$769,619.05           Number of Projects         2         Total Quantity         48,562           Region: 6           Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plant           11911         STU C100-011         Arapahoe and Parker         33         11/30/00         \$2,080,794.90         1           12056         IMB 0761-172         I-76 & 120th Ave         41         08/31/00         \$19,237,802.68         1           128		Number of Pro	ojects 13	Total Que	antity 469,711	l	
12644   IM 0762-041   I-76 Sterling to A   60   10/26/00   \$21,197,303.87   22	Region:	4					
Number of Projects 1         Total Quantity 22,546           Region: 5         Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plant           13057         STA 149A-018         Creede - North         20         01/27/00         \$2,788,822.08         4           13386         C 1603-017         US 160 Sierra Grande HS         18         07/27/00         \$769,619.05           Number of Projects 2         Total Quantity 48,562           Region: 6           Subacct. Project Code         Location         Supplier         Bid Date         Total Bid         Plant           11911         STU C100-011         Arapahoe and Parker         33         11/30/00         \$2,080,794.90         1           12056         IMB 0761-172         I-76 & 120th Ave         41         08/31/00         \$19,237,802.68         1           12865         NH 0404-036         US 40, Tabor to Kipling         33         04/20/00         \$1,423,249.00           92054         BRF 002-1(018)         SH 2 at UPRR and Smith R         10         09/21/00         \$4,271,471.00         1	Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quan
Region: 5         Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plant           13057         STA 149A-018         Creede - North         20         01/27/00         \$2,788,822.08         4.           13386         C 1603-017         US 160 Sierra Grande HS         18         07/27/00         \$769,619.05           Number of Projects 2         Total Quantity 48,562           Region: 6           Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plant           11911         STU C100-011         Arapahoe and Parker         33         11/30/00         \$2,080,794.90         1           12056         IMB 0761-172         I-76 & 120th Ave         41         08/31/00         \$19,237,802.68         1           12865         NH 0404-036         US 40, Tabor to Kipling         33         04/20/00         \$1,423,249.00           92054         BRF 002-1(018)         SH 2 at UPRR and Smith R         10         09/21/00         \$4,271,471.00         1	12644	IM 0762-041	I-76 Sterling to A	60	10/26/00	\$21,197,303.87	22,546
Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plant           13057         STA 149A-018         Creede - North         20         01/27/00         \$2,788,822.08         4           13386         C 1603-017         US 160 Sierra Grande HS         18         07/27/00         \$769,619.05           Number of Projects         2         Total Quantity         48,562           Region: 6           Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plant           11911         STU C100-011         Arapahoe and Parker         33         11/30/00         \$2,080,794.90         1           12056         IMB 0761-172         I-76 & 120th Ave         41         08/31/00         \$19,237,802.68         1           12865         NH 0404-036         US 40, Tabor to Kipling         33         04/20/00         \$1,423,249.00           92054         BRF 002-1(018)         SH 2 at UPRR and Smith R         10         09/21/00         \$4,271,471.00         1		Number of Pro	ojects 1	Total Qu	antity 22,546		
13057 STA 149A-018 Creede - North 20 01/27/00 \$2,788,822.08 4-13386 C 1603-017 US 160 Sierra Grande HS 18 07/27/00 \$769,619.05  **Number of Projects 2 Total Quantity 48,562  **Region: 6**  Subacct. Project Code Location Supplier Bid Date Total Bid Plane 1999 1999 1999 1999 1999 1999 1999 19	Region:	5					
Number of Projects         2         Total Quantity         48,562           Region: 6         Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plan           11911         STU C100-011         Arapahoe and Parker         33         11/30/00         \$2,080,794.90         1           12056         IMB 0761-172         I-76 & 120th Ave         41         08/31/00         \$19,237,802.68         1           12865         NH 0404-036         US 40, Tabor to Kipling         33         04/20/00         \$1,423,249.00           92054         BRF 002-1(018)         SH 2 at UPRR and Smith R         10         09/21/00         \$4,271,471.00         1	Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quan
Number of Projects         2         Total Quantity         48,562           Region: 6         Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plane           11911         STU C100-011         Arapahoe and Parker         33         11/30/00         \$2,080,794.90         1           12056         IMB 0761-172         I-76 & 120th Ave         41         08/31/00         \$19,237,802.68         1           12865         NH 0404-036         US 40, Tabor to Kipling         33         04/20/00         \$1,423,249.00           92054         BRF 002-1(018)         SH 2 at UPRR and Smith R         10         09/21/00         \$4,271,471.00         1	13057	STA 149A-018	Creede - North	20	01/27/00	\$2,788,822.08	44,390
Region: 6           Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plan           11911         STU C100-011         Arapahoe and Parker         33         11/30/00         \$2,080,794.90         1           12056         IMB 0761-172         I-76 & 120th Ave         41         08/31/00         \$19,237,802.68         1           12865         NH 0404-036         US 40, Tabor to Kipling         33         04/20/00         \$1,423,249.00           92054         BRF 002-1(018)         SH 2 at UPRR and Smith R         10         09/21/00         \$4,271,471.00         1	13386	C 1603-017	US 160 Sierra Grande HS	18	07/27/00	\$769,619.05	4,172
Subacct.         Project Code         Location         Supplier         Bid Date         Total Bid         Plan           11911         STU C100-011         Arapahoe and Parker         33         11/30/00         \$2,080,794.90         1           12056         IMB 0761-172         I-76 & 120th Ave         41         08/31/00         \$19,237,802.68         1           12865         NH 0404-036         US 40, Tabor to Kipling         33         04/20/00         \$1,423,249.00           92054         BRF 002-1(018)         SH 2 at UPRR and Smith R         10         09/21/00         \$4,271,471.00         1		Number of Pro	ojects 2	Total Qu	antity 48,562	_	
11911 STU C100-011 Arapahoe and Parker 33 11/30/00 \$2,080,794.90 1 12056 IMB 0761-172 I-76 & 120th Ave 41 08/31/00 \$19,237,802.68 1 12865 NH 0404-036 US 40, Tabor to Kipling 33 04/20/00 \$1,423,249.00 92054 BRF 002-1(018) SH 2 at UPRR and Smith R 10 09/21/00 \$4,271,471.00 1	Region:	6					
12056     IMB 0761-172     I-76 & 120th Ave     41     08/31/00     \$19,237,802.68     1       12865     NH 0404-036     US 40, Tabor to Kipling     33     04/20/00     \$1,423,249.00       92054     BRF 002-1(018)     SH 2 at UPRR and Smith R     10     09/21/00     \$4,271,471.00     1	Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quan
12865 NH 0404-036 US 40, Tabor to Kipling 33 04/20/00 \$1,423,249.00 92054 BRF 002-1(018) SH 2 at UPRR and Smith R 10 09/21/00 \$4,271,471.00 1	11911	STU C100-011	Arapahoe and Parker	33	11/30/00	\$2,080,794.90	11,936
92054 BRF 002-1(018) SH 2 at UPRR and Smith R 10 09/21/00 \$4,271,471.00 1	12056	IMB 0761-172	I-76 & 120th Ave	41	08/31/00	\$19,237,802.68	14,366
	12865	NH 0404-036	US 40, Tabor to Kipling	33	04/20/00	\$1,423,249.00	7,477
02011 IM 0252 214 L25 @ Colfax 45 08/17/00 \$6.984 230.09 1	92054	BRF 002-1(018)	SH 2 at UPRR and Smith R	10	09/21/00	\$4,271,471.00	13,319
92911 IIVI 0232-214 1-23 @ Collax 40 00.11700 \$0,5001,200.00	92911	IM 0252-214	I-25 @ Colfax	45	08/17/00	\$6,984,230.09	13,782

Totals: Projects with Bid Dates from 1/1/00 to 12/31/00.

Number of Projects 39

Total Quantity 976,634

## Project Data

Projects with Bid Dates from 1/1/00 to 12/31/00.

Subaccount:	11543	STA	4 3851-01	2 8th Ave	in Burlingt	on Regio	n: 1	Supplier:	61
Mix Design No	: 85810-	·1 P	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	51.00	Mix Design I/DP:	\$17,510.95
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	12	11753		93.655	1.04181	\$7,517.78	0.147		
Density	24	11753	0	90.696	1.02046	\$6,132.04	1.044	Den Mea	n: 93.392
Gradation	6	11753		88.688	1.03221	\$3,861.13		Grad Key Siev	e: No. 4
					Tons:		I/DP:		
Project Total	s 1154	3	Asphalt	Content	11,753		\$7,517.78		
				Density	11,753		\$6,132.04		
			G	radation	11,753		\$3,861.13		
			Plan	Quantity	10,912	Project I/DP:	\$17,510.9 <b>5</b>		
Comments	s: 								
Subaccount:	11581	BR	067A-008	SH 67 S	South of Flo	rence Regio	n: 2	Supplier:	17
Mix Design No	: 93629	Р	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	40.00	Mix Design I/DP:	\$2,961.28
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	13	13290		80.017	0.97149	(\$4,546.93)	0.198		
Density	26	13290	0	89.890	1.01425	\$3,787.01		Den Mea	n:
Gradation	7	13290		93.781	1.03500	\$3,721.20		Grad Key Siev	e: 1/2
		_			Tons:	-	I/DP:		
Project Total	s 1158	1	Asphalt	Content	13,290		(\$4,546.93)		
				Density	13,290		\$3,787.01		
			G	iradation	13,290		\$3,721.20		
			Plan	Quantity	12,536	Project I/DP:	\$2,961.28		
Comments	s: Missi	ng page	2 & 3 of rep	ort. Density da	ata excluded.				
Subaccount:	11805	BR	006A-028	Eagle R	iver Bridge	Regio	n: 3	Supplier:	16
Mix Design No	: WCT 6	011 P	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$	72.14	Mix Design I/DP:	<b>\$4,043.8</b> 5
	Test <b>s</b>	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	3	2133		100.000	1.02500	\$1,154.00	0.080		
Density	8	2133	0	91.836	1.03756	\$2,889.85	1.094		n: 93.475
Gradation	2	2133			1.00000	\$0.00		Grad Key Siev	e:
		_			Tons:		I/DP:		<u> </u>
Project Total	s 1180	5	Asphalt	Content	2,133		\$1,154.00		
			Mat	Density	2,133		\$2,889.85		
			G	iradation	2,133		\$0.00		
			Plan	Quantity	1,942	Project I/DP:	\$4,043.85		

: 129786	F	Process No:	1 Gradir		D: D T	15.00		
			i Oldan	ig: S	Price Per Ton:	45.79	Mix Design I/DP: \$4	1,603.85
Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
4	4000		100.000	1.03000	\$1,648.31	0.096		
8	4000	0	99.432	1.04000	\$3,662.91	0.648		
3	6000		66.667	0.98713	(\$707.37)		Grad Key Sieve:	No. 30
: 139783	3-1 F	Process No:	1 Gradin	ig: S	Price Per Ton:	45.79	Mix Design I/DP: \$	5,547.12
Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
18	18000		90.843	1.02470	\$6,107.10	0.179		
34	17000	0	94.018	1.03692	\$14,368.97	0.736	Den Mean:	93.132
8	16000		76.159	0.96636	(\$4,928.95)		Grad Key Sieve:	No. 200
				Tons:		I/DP:		
s 1184	8	Asphali	Content	22,000		\$7,755.41		
		Mat	Density	21,000		\$18,031.88		
			•	22,000				
		Plan	Quantity	19,014	Project I/DP:	\$20,150.97		
s: Final	Quantit		•	•	•	,		
11849	IM	0704-184	I-70, Pe	oria - East	Regi	on: 1	Supplier:	15
: 109758	3 F	Process No:	1 Gradin	ng: SX	Price Per Ton:	\$42.42	Mix Design I/DP: (\$	13,962.62
Tests	Tons	PF 1.0	Quality Level	Pav Factor	· I/DP	Std. Dev.		
			_	-				
		n			• • • • • • • • • • • • • • • • • • • •	1.768	Den Mean	92.456
3	4222	Ŭ	91.100	1.02500	\$895.49			-
: 109758	3 F	Process No:	2 Gradir	ng: SX	Price Per Ton:	\$42.42	Mix Design I/DP: (\$	1,243.68)
Tests	Tons	PF 1.0	Quality Level	Pay Factor	· I/DP	Std. Dev.		
			•	•	\$0.00			
1	86	0		0.31818	(\$1,243.68)		Den Mean	:
					\$0.00		Grad Key Sieve	
			<del></del>	Tons:		I/DP:		
s 1184	9	Asphal	t Content	4,222		(\$630.07)		
		Ma	t Density	4,222		(\$15,471.72)		
			-	4,222		\$895.49		
		Plan	Quantity		Project I/DP	(\$15.206.30)		
s: Repo	rted Qu		_			(4:0,=000)		
						on: 2	Supplier:	44
o: 31318		Process No:	1 Gradir	ng: S	Price Per Ton:	\$42.00	Mix Design I/DP: (\$	27,832.65
	Tons	PF 1.0		_	r I/DP	Std. Dev.		
			=			0.194		
		0		1.04415	\$3,407.44	0.554	Den Mean	92.83
3			0.000	0.31177	(\$21,245.66)		Grad Key Sieve	No. 4
				Tons:		I/DP:		
ls 1186	1	Asphal	t Content	3,675		(\$9,994.43)	ı	
		•	t Density	3,675		\$3,407.44		
		IVIA	f Deligita					
			Gradation	3,675		(\$21,245.66)		
	8 3 3 3 3 3 3 3 3 3 3 4 8 8 8 8 8 8 8 8	8 4000 3 6000 3 6000 5: 139783-1 F Tests Tons 18 18000 34 17000 8 16000 6: 11848 5: Final Quantit 11849 IM 6: 109758 F Tests Tons 7 4222 12 4136 3 4222 5: 109758 F Tests Tons 1 86 6: 11849 6: 31318 F Tests Tons 5 3675 10 3675 3 3675	8 4000 0 3 6000  2: 139783-1 Process No:  Tests Tons PF 1.0 18 18000 34 17000 0 8 16000  2: 11848 Asphali	8 4000 0 99.432 3 6000 66.667  2: 139783-1 Process No: 1 Gradin Tests Tons PF 1.0 Quality Level 18 18000 90.843 34 17000 0 94.018 8 16000 76.159  2: 11848 Asphalt Content Mat Density Gradation Plan Quantity 3: Final Quantities not equal  11849 IM 0704-184 I-70, Pe  2: 109758 Process No: 1 Gradin Tests Tons PF 1.0 Quality Level 7 4222 78.967 12 4136 0 58.793 3 4222 91.100  2: 109758 Process No: 2 Gradin Tests Tons PF 1.0 Quality Level 1 86 0  3: 11849 Asphalt Content Mat Density Gradation Plan Quantity 3: Reported Quant 4000 less than plan. Gradin Tests Tons PF 1.0 Quality Level 1 86 0  3: 11861 BR 067A-010 SH 67-  3: 31318 Process No: 1 Gradin Tests Tons PF 1.0 Quality Level 5 3675 44.871 10 3675 0 94.104 3 3675 0 94.104 3 3675 0 94.104 3 3675 0 0.000	8 4000 0 99.432 1.04000 3 6000 66.667 0.98713  2: 139783-1 Process No: 1 Grading: S  Tests Tons PF 1.0 Quality Level Pay Factor 18 18000 90.843 1.02470 34 17000 0 94.018 1.03692 8 16000 76.159 0.96636  Tons:  S 11848 Asphalt Content 22,000 Mat Density 21,000 Gradation 22,000 Plan Quantity 19,014  S: Final Quantities not equal  11849 IM 0704-184 I-70, Peoria - East  D: 109758 Process No: 1 Grading: SX  Tests Tons PF 1.0 Quality Level Pay Factor 7 4222 78.967 0.98827 12 4136 0 58.793 0.83781 3 4222 91.100 1.02500  D: 109758 Process No: 2 Grading: SX  Tests Tons PF 1.0 Quality Level Pay Factor 1 86 0 0.31818  Tons:  Is 11849 Asphalt Content 4,222 Mat Density 4,222 Gradation 4,222 Plan Quantity 8,161  S: Reported Quant 4000 less than plan. Gradation info  11861 BR 067A-010 SH 67 - Trout Cree  D: 31318 Process No: 1 Grading: S  Tests Tons PF 1.0 Quality Level Pay Factor  1 86 0 0.31818  Tons:  185 1765 44.871 0.78416 10 3675 0 94.104 1.04415 3 3675 0.000 0.31177  Tons:	8 4000 0 99.432 1.04000 \$3,662.91 3 6000 66.667 0.98713 (\$707.37) (\$707.37) (\$139783-1 Process No: 1 Grading: S Price Per Ton: \$139783-1 Process No: 1 Grading: S Price Per Ton: \$18 18000 90.843 1.02470 \$6,107.10 34 17000 0 94.018 1.03692 \$14,368.97 8 16000 76.159 0.96636 (\$4,928.95)	8	8

	11911	ST	U C100-01	1 Arapah	oe and Park	ker Regio	n: 6	Supplier:	33
Mix Design No	o: 10588	1 F	Process No:	1 Gradir	ng: S	Price Per Ton: \$3	38.00	Mix Design I/DP: (	\$1,965.20
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	11	11986		77.609	0.96308	(\$5,044.75)	0.223		
Density	25	11986	0	87.497	0.99952	(\$108.73)	0.565	Den Mear	92.648
Gradation	6	11986		91.713	1.03500	\$3,188.28		Grad Key Sieve	: 1/2
					Tons:		I/DP:		
Project Total	ls 1191	1	Asphalt	Content	11,986		(\$5,044.75)		
				Density	11,986		(\$108.73)		
			G	radation	11,986		\$3,188.28		
			Plan	Quantity	11,936	Project I/DP:	(\$1,965.20)		
Comment	s:								
Subaccount:	11959	ST	A 0242-02	6 Trout C	reek Rd E	Regio	n: 2	Supplier:	49
Mix Design No	: SCH1	1922 F	Process No:	1 Gradir	ng: S	Price Per Ton: \$3	39.00	Mix Design I/DP: (	\$34,746.7
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	33	32353		83.648	0.96649	(\$12,684.21)	0.216		
Density	66	32853	0	85.736	0.96505	(\$22,388.27)	1.055	Den Mear	: 93.139
Gradation	17	33353		86.490	1.00125	\$325.76		Grad Key Sieve	: 1/2
Mix Design No	: SCH1	1922 F	Process No:	2 Gradir	ng: S	Price Per Ton: \$3	39.00	Mix Design I/DP: (	\$11,460.6
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	1	1000			0.47500	(\$6,142.50)			
Density	1	500	0		0.45455	(\$5,318.14)		Den Mear	1:
Gradation					1.00000	\$0.00		Grad Key Sieve	): 
					Tons:		I/DP:		
*		• •		Content	33,353		(\$18,826.71)		
Project Total	ls 1195	9	Asphalt						
Project Total	ls 1195	<b>9</b>	•	Density	33,353		(\$27,706.41)		
Project Total	ls 1195	<b>19</b>	Mat		33,353 33,353		(\$27,706.41) \$325.76		
·			Mat G Plan	Density		Project I/DP:	,		
Comment			Mat G Plan	Density radation	33,353	Project I/DP:	\$325.76		
Comment	s: Singl	e tests 2	Mat G Plan	Density radation Quantity	33,353		\$325.76 (\$46,207.36)	Supplier:	21
Comment:	s: Singl	e tests 2	Mat G Plan 2 x V out.	Density radation Quantity 4 Haymah	33,353 30,699 <i>ker Golf Co</i>		\$325.76 (\$46,207.36)	Supplier: Mix Design I/DP: \$	
Comment:	s: Singl 12018 o: 244 Tests	e tests 2	Mat Plan 2 x V out. R 131A-02	Density iradation Quantity  4 Haymal 1 Gradir Quality Level	33,353 30,699 <i>ker Golf Co</i>	urse Region Price Per Ton: \$4	\$325.76 (\$46,207.36) <i>n: 3</i> 45.55 Std. Dev.		
·	12018  12018  12018  1202  1204  1204  1204	ST. F Tons 23204	Material Mat	Density iradation Quantity  4 Haymal 1 Gradir Quality Level 99.758	33,353 30,699 <i>Ker Golf Co</i> ng: SX Pay Factor 1.05000	urse Region Price Per Ton: \$4 I/DP \$15,854.21	\$325.76 (\$46,207.36) <i>n: 3</i> 45.55 <b>Std. Dev.</b> 0.104	Mix Design I/DP: \$	48,296.09
Comments  Subaccount:  Mix Design No.	s: Singl  12018  1204  Tests 24 47	ST. F Tons 23204 23204	Material Mat	Density iradation Quantity  4 Haymal 1 Gradir Quality Level 99.758 97.812	33,353 30,699 <i>Ker Golf Co</i> ng: SX <b>Pay Factor</b> 1.05000 1.05500	urse Region Price Per Ton: \$4	\$325.76 (\$46,207.36) <i>n: 3</i> 45.55 Std. Dev.	Mix Design I/DP: \$	348,296.09 n: 93.457
Comments  Subaccount:  Mix Design No  AC  Density	12018  12018  12018  1202  1204  1204  1204	ST. F Tons 23204	Plan 2 x V out.  R 131A-02 Process No: PF 1.0	Density iradation Quantity  4 Haymal 1 Gradir Quality Level 99.758	33,353 30,699 <i>Ker Golf Co</i> ng: SX Pay Factor 1.05000	urse Region Price Per Ton: \$4 I/DP \$15,854.21	\$325.76 (\$46,207.36) <i>n: 3</i> 45.55 <b>Std. Dev.</b> 0.104	Mix Design I/DP: \$	348,296.09 n: 93.457
Comments  Subaccount:  Mix Design No  AC  Density  Gradation	s: Singl  12018  244  Tests 24 47 12	F Tons 23204 23204	Plan 2 x V out.  R 131A-02 Process No: PF 1.0	Density iradation Quantity  4 Haymal 1 Gradir Quality Level 99.758 97.812	33,353 30,699 <i>Ker Golf Co</i> ng: SX <b>Pay Factor</b> 1.05000 1.05500 1.01597 <b>Tons:</b>	urse Region Price Per Ton: \$4	\$325.76 (\$46,207.36) m: 3 45.55 Std. Dev. 0.104 0.734 	Mix Design I/DP: \$	48,296.09 n: 93.457
Comments Subaccount:  Mix Design No  AC  Density	s: Singl  12018  244  Tests 24 47 12	F Tons 23204 23204	Plan 2 x V out.  R 131A-02 Process No: PF 1.0	Density iradation Quantity  4 Haymal 1 Gradir Quality Level 99.758 97.812	33,353 30,699 <i>Ker Golf Co</i> ng: SX <b>Pay Factor</b> 1.05000 1.05500 1.01597	urse Region Price Per Ton: \$4	\$325.76 (\$46,207.36) n: 3 45.55 Std. Dev. 0.104 0.734	Mix Design I/DP: \$	48,296.09 n: 93.457
Comments  Subaccount:  Mix Design No  AC  Density  Gradation	s: Singl  12018  244  Tests 24 47 12	F Tons 23204 23204	Plan 2 x V out.  R 131A-02 Process No: PF 1.0 0	Density iradation Quantity  4 Hayman 1 Gradir Quality Level 99.758 97.812 87.876	33,353 30,699 <i>Ker Golf Co</i> ng: SX <b>Pay Factor</b> 1.05000 1.05500 1.01597 <b>Tons:</b>	urse Region Price Per Ton: \$4	\$325.76 (\$46,207.36) m: 3 45.55 Std. Dev. 0.104 0.734 	Mix Design I/DP: \$	48,296.09 n: 93.457
Comments  Subaccount:  Mix Design No  AC  Density  Gradation	s: Singl  12018  244  Tests 24 47 12	F Tons 23204 23204	Plan 2 x V out.  R 131A-02 Process No: PF 1.0 0 Asphalf	Density iradation Quantity  4 Hayman 1 Gradin Quality Level 99.758 97.812 87.876  Content	33,353 30,699 <i>Ker Golf Co.</i> ng: SX Pay Factor 1.05000 1.05500 1.01597 Tons: 23,204	urse Region Price Per Ton: \$4	\$325.76 (\$46,207.36) n: 3 45.55 Std. Dev. 0.104 0.734  I/DP: \$15,854.21	Mix Design I/DP: \$	348,296.09 n: 93.457

Subaccount	: 12056	IM!	<b>B</b> 0761-17.	2 I-76 & 1	20th Ave	Regio	n: 6	Supplier: 4	1
Mix Design N	lo: 10586	3 P	rocess No:	1 Gradin	ıg: S	Price Per Ton: \$42.00		Mix Design I/DP: \$6	,845.76
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	1/DP	Std. Dev.		
AC	16	16000		98.663	1.05000	\$10,080.00	0.129		
Density	32	16000	0	84.628	0.97437	(\$8,610.24)	1.138	Den Mean:	93.184
Gradation	8	16000		93.214	1.04000	\$5,376.00		Grad Key Sieve:	No. 4
					Tons:		I/DP:		
Project Total	als 1205	56	Asphalt	Content	16,000	\$10.080.00	\$10,080.00		
			Mat Density		16,000		(\$8,610.24)		
			G	radation	16,000		\$5,376.00		
			Plan	Quantity	14,366	Project I/DP:	\$6,845.76		

Comments:

Subaccoun	t: 12153		IS 0501-03	38 Kannah	Creek East	t Regi	ion: 3	Supplier: 16
Mix Design	No: 259	F	rocess No:	1 Gradin	ng: SX	Price Per Ton:	\$35.26	Mix Design I/DP: \$3,486.83
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	8	8315		77.249	0.97235	(\$2,431.81)	0.210	
Density	17	8315	0	99.948	1.05000	\$7,329.08	0.597	Den Mean: 94,344
Gradation	4	8315		69.419	0.97594	(\$1,410.44)		Grad Key Sieve: No. 8
Mix Design	No: 291	P	rocess No:	1 Gradin	ng: SMA	Price Per Ton:	\$47.27	Mix Design I/DP: \$0.00
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	1	398			1.00000	\$0.00		
Density	1	398	0		1.00000	\$0.00		Den Mean:
Gradation	1	398			1.00000	\$0.00		Grad Key Sieve:
Mix Design	No: 291A	Р	rocess No:	1 Gradin	ıg: SMA	Price Per Ton:	\$48.53	Mix Design I/DP: (\$5,399.57
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	10	11075		70.682	0.92325	(\$12,374.22)	0.163	
Density	22	11075	0	93.324	1.03686	\$9,905.09	0.939	Den Mean: 95.605
Gradation	7	11075	-	75.968	0.97274	(\$2,930.44)		Grad Key Sieve: No. 4
Mix Design	No: 293A	P	rocess No:	1 Gradin	ıg: SX	Price Per Ton:	\$36.52	Mix Design I/DP: (\$2,477.62
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	•
AC		524		•	0.68750	(\$1,794.14)		
Density		524	0		1.00000	\$0.00		Den Mean:
Gradation		524			0.82143	(\$683.48)		Grad Key Sieve:
Mix Design	No: 293B	Р	rocess No:	1 Gradin	ng: SX	Price Per Ton:	\$35.42	Mix Design I/DP: (\$5,204.30
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	3	3095		51.883	0.90246	(\$3,207.72)	0.358	
Density	6	3095	0	99.456	1.03500	\$1,918.29	0.652	Den Mean: 93.217
Gradation	1	3095			0.82143	(\$3,914.87)		Grad Key Sieve:
Mix Design	No: 295	F	rocess No:	1 Gradin	ng: SX	Price Per Ton:	\$36.53	Mix Design I/DP: \$5,977.20
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	5	5195		98.246	1.03000	\$1,707.77	0.093	
Density	10	5195	0	99.962	1.04500	\$4,269.43	0.630	Den Mean: 93.58
Gradation	2	5195			1.00000	\$0.00		Grad Key Sieve:
Mix Design	No: 298	F	rocess No:	1 Gradin	ng: SX	Price Per Ton:	\$36.15	Mix Design I/DP: \$29,798.7
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	24	23983		•	1.01152	\$2,994.81	0.188	
Density	48	23983	0	97.346	1.05500	\$23,839.17	0.829	Den Mean: 93.596
Gradation	12	23983	-	88.111	1.01710	\$2,964.80		Grad Key Sieve: No. 4
Mix Design	No: 306	F	Process No:	1 Gradin	ng: SMA	Price Per Ton:	\$48.03	Mix Design I/DP: \$229.95
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	7	5958		78.705	0.98697	(\$1,118.97)	0.242	
Density	12	5958	0	86.544	1.00943	\$1,348.92	1.170	Den Mean: 94.308
Gradation	2	5958	ŭ	00.011	1.00000	\$0.00		Grad Key Sieve:
					Tons:		I/DP:	
Project To	tals 1215	3	Asnhal	t Content	58,543		(\$16,224.28)	
<b>J</b> = = × = 0			•	t Density	58,543		\$48,609.98	
				Gradation	58,543		(\$5,974.43)	
				•		Drainet I/DD	. £06.444.07	
			Plan	Quantity	58,296	Project I/DP	<b>\$26,411.27</b>	

Subaccount	: 12238	NH	H 0702-217	Glenwoo	od Canyon	Overl Regi	on: 3	Supplier: 31
Mix Design N	lo: 270	F	rocess No:	1 Gradin	ng: SX	Price Per Ton: 9	\$44.00	Mix Design I/DP: (\$46,172.70
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.	
AC	30	22885		86.570	0.98954	(\$3,160.75)	0.187	
Density	38	22885	0	78.281	0.92115	(\$39,699.23)	1.473	Den Mean: 93,324
Gradation	15	22885		82.886	0.98355	(\$3,312.72)		Grad Key Sieve: No. 4
Mix Design N	lo: 99994	F	rocess No:	1 Gradin	ng: SX	Price Per Ton: S	\$62.00	Mix Design I/DP: (\$4,080.00)
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	· I/DP	Std. Dev.	,
AC	23	11311		95.297	1.04783	\$10,062.60	0.155	
Density	21	11311	0	80.252	0.95557	(\$15,578.56)	1.062	Den Mean: 94.99
Gradation	11	11311		86.364	1.01024	\$1,435.96		Grad Key Sieve: No. 8
Mix Design N	lo: 99995	F	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$	62.00	Mix Design I/DP: (\$35,527.19
	Tests	Tons	PF 1.0	Quality Level	Pav Factor	· I/DP	Std. Dev.	5
AC	50	25183		84.225	0.96063	(\$18,441.85)	0.183	
Density	49	25183	0	88.584	0.99392	(\$4,747.91)	1.220	Den Mean: 93.629
Gradation	23	25183	v	81.361	0.96049	(\$12,337.43)	1.220	Grad Key Sieve: No. 8
Mix Design N	lo: 99995/	 А F	Process No:	1 Gradin	ng: SX	Price Per Ton: S	62.00	Mix Design I/DP: (\$58,420.43
	Tests	Tons	PF 1.0	Quality Level	•		Std. Dev.	· g · · · ( + • • ) / m • · · · •
AC	10	10638		88.040	1.01957	\$3,872.74	0.190	
Density	18	10038	0	57.865	0.78583	(\$66,910.06)	1.270	Den Mean: 93.294
Gradation	6	10638	U	91.110	1.03500	\$4,616.89	1.270	Grad Key Sieve: No. 8
Mix Design N	lo: 99995/		Process No:	2 Gradin	ng: SX	Price Per Ton: \$	\$62.00	Mix Design I/DP: (\$10,652.79
•	Tests	Tons	PF 1.0	Quality Level	-	· I/DP	Std. Dev.	_ ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
AC						\$0.00		
Density	1	560	0		0.38636	(\$10,652.79)		Den Mean:
Gradation	'	000	Ū		0.00000	\$0.00		Grad Key Sieve:
Mix Design N	lo: 99996	F	Process No:	1 Gradin	ng: SX	Price Per Ton: \$	62.00	Mix Design I/DP: (\$339.43)
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	· I/DP	Std. Dev.	
AC	10	4871		88.884	1.02327	\$2,108.72	0.190	
Density	6	4566	0	77.957	0.98963	(\$1,468.10)	1.118	Den Mean: 93.917
Gradation	5	4871	Ü	74.493	0.98377	(\$980.05)		Grad Key Sieve: No. 8
Mix Design N	lo: 99996	F	Process No:	2 Gradin	ng: SX	Price Per Ton: S	62.00	Mix Design I/DP: (\$1,154.05)
3	Tests	Tons	PF 1.0	Quality Level	•		Std. Dev.	
AC	16313	10113	1 1 1.0	adding Level	. uj i actoi	\$0.00	Ota. 261.	
	4		^		0.40000			Den Mean:
Density	1	63	0		0.40909	(\$1,154.05)		
Gradation						\$0.00		Grad Key Sieve:
Mix Design N	lo: 99996	F	Process No:		ng: SX	Price Per Ton: S		Mix Design I/DP: (\$4,773.97)
	Tests	Tons	PF 1.0	Quality Level	Pay Factor		Std. Dev.	
AC						\$0.00		
Density	1	242	0		0.36364	(\$4,773.97)		Den Mean:
Gradation						\$0.00		Grad Key Sieve:
					Tons:		I/DP:	
Project Tota	ils 1223	8	Asphali	Content	74,888		(\$5,558.54)	
			Mat	Density	74,888		(\$144,984.67)	
				•			(\$10,577.35)	
				Bradation	74,888		(\$10,577.55)	
				Quantity	98,733	Project I/DP:	(\$161,120.56)	

Suvuccount	: 12271	SP	0821-053	ABC to	Buttermilk	Regio	n: 3	Supplier:	16
Mix Design N	lo: 211	Р	rocess No:	1 Gradin	Grading: SX		53.51	Mix Design I/DP: (\$6,662.62	
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	2	2455			1.00000	\$0.00			
Density	5	2455	0	71.694	0.97000	(\$1,970.70)	1.125	Den Mear	n: 92.7
Gradation	2	2455			0.82143	(\$4,691.92)		Grad Key Sieve	e:
Mix Design N	lo: 211A	Р	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$	53.74	Mix Design I/DP:	16,476.10
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	12	12203		99.004	1.04500	\$8,853.75	0.132		
Density	24	12203	0	98.472	1.05000	\$16,395.83	0.520	Den Mear	n: 93.079
Gradation	6	12203		67.587	0.93311	(\$8,773.48)		Grad Key Sieve	e: No. 4
Mix Design N	lo: 220	Р	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	47.91	Mix Design I/DP: (	\$21,618.29
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	18	16016		88.521	1.01169	\$2,691.49	0.194		
Density	33	16016	0	83.168	0.96301	(\$14,194.56)	1.033	Den Mear	n: 92.997
Gradation	9	16016		71.865	0.93409	(\$10,115.22)		Grad Key Sieve	e: No. 4
					Tons:		I/DP:		
Project Tota	ils 1227	1	Asphal	t Content	30,674		\$11,545.24		
			Ma	t Density	30,674		\$230.57		
				Gradation	30,674		(\$23,580.62)		
			Plan	Quantity	27,140	Project I/DP:	(\$11,804.81)		
Commen	ts:								
Subaccount	: 12362	STA	4 086A-03	81 SH 86 E	& W of E	lizabet Regio	n: 1	Supplier:	14
Mix Design N	lo: 12109	5 P	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	41.00	Mix Design I/DP:	\$22,940.43
_	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	16	16000		98.961	1.05000	\$9,840.00	0.081		
Density	28	14000	0	99.933	1.05500	\$15,785.00	0.633	Den Mea	n: 93.875
Gradation	7	14000	-	76.694	0.97662	(\$2,684.57)		Grad Key Sieve	e: No. 200
					Tons:		I/DP:		
Project Tota	ıls 1236	2	Asphal	t Content	16,000		\$9,840.00		
				t Density	14,000		\$15,785.00		
				Gradation	14,000		(\$2,684.57)		

Comments: Final quantities not equal. Reported 20,000 less than Plan.

Tests	Subaccount:	12583	IM	0251-155	I-25/SH	50/SH47 I	nterch Regio	on: 2	Supplier: 32
AC 3 2474	Mix Design No	o: 10722	9E P	rocess No:	1 Gradin	ng: S	Price Per Ton: \$	\$41.00	Mix Design I/DP: (\$1,258.71
Density   5		Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
Gradation         2         2474         0.95536         (\$905.66)          Grad Key Sieve:           Mix Design No: 107230C         Process No: 1         Grading: S         Price Per Ton: \$50.00         Mix Design I/DP: \$788.75           AC         2         1262         0         100.000         1.00000         \$50.00         Std. Dev.           Density         3         1262         0         100.000         1.02500         \$788.75         0.577         Den Mean: 92.6           Gradation         1         1262         0         100.000         1.00000         \$0.00          Grad Key Sleve:           Mix Design No: 184         Process No: 1         Grading: S         Price Per Ton: \$41.00         Mix Design I/DP: \$10,127           AC         7         6781         0         94.921         1.04500         \$6,255.47         1.076         Den Mean: 94.1           Gradation         4         6781         0         94.921         1.04500         \$6,255.47         1.076         Den Mean: 94.1           Gradation         1         6781         0         94.921         1.04500         \$6,255.47         1.076         Den Mean: 94.1           Gradation         1         167	AC	3	2474		100.000	1.02500	\$760.75	0.025	
Mix Design No: 107230C         Process No: 1         Grading: S         Price Per Ton: \$50.00         Mix Design I/DP: \$788.75           Tests AC         2         1262         O         100.000         1.00000         \$0.00         Std. Dev.           AC         2         1262         0         100.000         1.00000         \$80.00	Density	5	2474	0	73.301	0.97804	(\$1,113.80)	0.894	Den Mean: 92.6
Tests   Tons   PF 1.0   Quality Level   Pay Factor   I/DP   Std. Dev.	Gradation	2	2474			0.95536	(\$905.66)		Grad Key Sieve:
AC   2   1262   1.00000   1.00000   \$0.00	Mix Design No	o: 10723	0C P	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	50.00	Mix Design I/DP: \$788.75
Density   3   1262   0   100.000   1.02500   \$788.75   0.577   Den Mean: 92.66   Gradation   1   1262   1.00000   \$0.000     Grad Key Sleve:		Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
Gradation         1         1262         1.00000         \$0.00          Grad Key Sleve:           Mix Design No: 184         Process No: 1         Grading: S         Price Per Ton: \$41.00         Mix Design I/DP: \$10,127           Tests         Tons         PF 1.0         Quality Level         Pay Factor         I/DP         Std. Dev.           AC         7         6781         89.718         1.03380         \$2,819.44         0.104         Density         14         6781         0         94.921         1.04500         \$6,255.47         1.076         Den Mean: 94.1           Gradation         4         6781         0         94.921         1.04500         \$6,255.47         1.076         Den Mean: 94.1           Gradation         4         6781         0         94.921         1.04500         \$6,255.47         1.076         Den Mean: 94.1           Mix Design No: 195         Process No: 1         Grading: S         Price Per Ton: \$50.00         Mix Design I/DP: \$939.42           Tests         Tons         PF 1.0         Quality Level Pay Factor         I/DP         Std. Dev.           Mix Design No: WCT1055         Process No: 1         Grading: S         Price Per Ton: \$41.00         Mix Design I/DP: \$3,495 <th< td=""><td>AC</td><td>2</td><td>1262</td><td></td><td></td><td>1.00000</td><td>\$0.00</td><td></td><td></td></th<>	AC	2	1262			1.00000	\$0.00		
Mix Design No: 184	Density	3	1262	0	100.000	1.02500	\$788.75	0.577	Den Mean: 92.667
Tests   Tons   PF 1.0   Quality Level   Pay Factor   I/DP   Std. Dev.	Gradation	1	1262			1.00000	\$0.00		Grad Key Sieve:
AC 7 6781 89.718 1.03380 \$2,819.44 0.104 Density 14 6781 0 94.921 1.04500 \$6,255.47 1.076 Den Mean: 94.1 Gradation 4 6781 79.704 1.01892 \$1,052.24 Grad Key Sieve: No. 4  Mix Design No: 195 Process No: 1 Grading: S Price Per Ton: \$50.00 Mix Design I/DP: \$939.42  Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev. AC 2 1661 1.00000 \$0.00 Density 4 1661 0 80.812 1.02262 \$939.42 1.623 Den Mean: 93.5 Gradation 1 1661 1.00000 \$0.00 Grad Key Sieve:  Mix Design No: WCT1065 Process No: 1 Grading: S Price Per Ton: \$41.00 Mix Design I/DP: (\$3,495)  Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev. AC 5 4374 56.533 0.87694 (\$6,620.74) 0.315 Density 9 4374 0 94.260 1.04000 \$3,586.68 1.124 Den Mean: 93.7 Gradation 3 4374 666.667 0.98713 (\$461.77) Grad Key Sieve: No. 3  Mix Design No: WCT1065 Process No: 1 Grading: S Price Per Ton: \$50.00 Mix Design I/DP: \$689.37  Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev. AC 2 1103 1.00000 \$0.00	Mix Design No	o: 184	P	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	\$41.00	Mix Design I/DP: \$10,127.15
Density   14   6781   0   94.921   1.04500   \$6,255.47   1.076   Den Mean: 94.1		Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
Gradation         4         6781         79.704         1.01892         \$1,052.24          Grad Key Sieve: No. A           Mix Design No: 195         Process No: 1         Grading: S         Price Per Ton: \$50.00         Mix Design I/DP: \$939.42           Tests         Tons         PF 1.0         Quality Level         Pay Factor         I/DP         Std. Dev.           AC         2         1661         0         80.812         1.02262         \$939.42         1.623         Den Mean: 93.5           Gradation         1         1661         1.00000         \$0.00          Grad Key Sieve:           Mix Design No: WCT1065         Process No: 1         Grading: S         Price Per Ton: \$41.00         Mix Design I/DP: (\$3,495)           Tests         Tons         PF 1.0         Quality Level         Pay Factor         I/DP         Std. Dev.           AC         5         4374         56.533         0.87694         (\$6,620.74)         0.315           Density         9         4374         0         94.260         1.04000         \$3,586.68         1.124         Den Mean: 93.7           Gradation         3         4374         66.667         0.98713         (\$461.77)	AC	7	6781		89.718	1.03380	\$2,819.44	0.104	
Mix Design No: 195         Process No: 1         Grading: S         Price Per Ton: \$50.00         Mix Design I/DP: \$939.42           Tests         Tons         PF 1.0         Quality Level         Pay Factor         I/DP         Std. Dev.           AC         2         1661         1.00000         \$0.00           Density         4         1661         0         80.812         1.02262         \$939.42         1.623         Den Mean: 93.5           Gradation         1         1661         1.00000         \$0.00          Grad Key Sieve:           Mix Design No: WCT1065         Process No: 1         Grading: S         Price Per Ton: \$41.00         Mix Design I/DP: (\$3,495           Tests         Tons         PF 1.0         Quality Level         Pay Factor I/DP         VDP         Std. Dev.           AC         5         4374         0         94.260         1.04000         \$3,586.68         1.124         Den Mean: 93.7           Gradation         3         4374         0         94.260         1.04000         \$3,586.68         1.124         Den Mean: 93.7           Gradation         7         Frosess No: 1         Grading: S         Price Per Ton: \$50.00         Mix Design I/DP: \$689.37           Mix Desig	Density	14	6781	0	94.921	1.04500	\$6,255.47	1.076	Den Mean: 94.121
Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev.  AC 2 1661	Gradation	4	6781		79.704	1.01892	\$1,052.24		Grad Key Sieve: No. 4
AC 2 1661	Mix Design No	o: 195	P	rocess No:	1 Gradin	ng: S	Price Per Ton: \$	50.00	Mix Design I/DP: \$939.42
Density		Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
Gradation         1 1661         1,00000         \$0.00         Grad Key Sieve:           Mix Design No: WCT1065         Process No: 1 Grading: S Price Per Ton: \$41.00         Mix Design I/DP: (\$3,495)           Tests Tons PF 1.0 Quality Level Pay Factor Density         9 4374         0 94.260         1.04000         \$3,586.68         1.124         Den Mean: 93.7           Gradation         3 4374         66.667         0.98713         (\$461.77)          Grad Key Sieve: No. 3           Mix Design No: WCT1065         Process No: 1 Grading: S Price Per Ton: \$50.00         Mix Design I/DP: \$689.37           Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev.           AC         2 1103         1.00000         \$0.00           Density         3 1103         0 100.000         1.02500         \$689.37         1.012         Den Mean: 94.5           Gradation         1 1103         1.00000         \$0.00          Grad Key Sieve:    **Project Totals 12583  **Asphalt Content** 17,655 **S11,145.89 **Gradation** 17,655 **Gradation** 17,655 **S11,145.89 **Gradation** 17,655 **Gradation** 17,655 **S11,145.89         \$315.19	AC	2	1661			1.00000	\$0.00		
Mix Design No: WCT1065         Process No: 1         Grading: S         Price Per Ton: \$41.00         Mix Design I/DP: (\$3,495)           Tests         Tons         PF 1.0         Quality Level         Pay Factor         I/DP         Std. Dev.           AC         5         4374         56.533         0.87694         (\$6,620.74)         0.315           Density         9         4374         0         94.260         1.04000         \$3,586.68         1.124         Den Mean: 93.7           Gradation         3         4374         66.667         0.98713         (\$461.77)          Grad Key Sieve: No. 3           Mix Design No: WCT1065         Process No: 1         Grading: S         Price Per Ton: \$50.00         Mix Design I/DP: \$689.37           Tests         Tons         PF 1.0         Quality Level         Pay Factor         I/DP         Std. Dev.           AC         2         1103         0         1.00000         \$0.00         Dev.           Density         3         1103         0         100.000         \$689.37         1.012         Den Mean: 94.5           Gradation         1         1103         1.00000         \$0.00          Grad Key Sieve:	Density	4	1661	0	80.812	1.02262	\$939.42	1.623	Den Mean: 93.5
Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev.  AC 5 4374 56.533 0.87694 (\$6,620.74) 0.315  Density 9 4374 0 94.260 1.04000 \$3,586.68 1.124 Den Mean: 93.7  Gradation 3 4374 66.667 0.98713 (\$461.77) Grad Key Sieve: No. 3  Mix Design No: WCT1065 Process No: 1 Grading: S Price Per Ton: \$50.00 Mix Design I/DP: \$689.37  Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev.  AC 2 1103 1.00000 \$0.00  Density 3 1103 0 100.000 1.02500 \$689.37 1.012 Den Mean: 94.5  Gradation 1 1103 Tons: I/DP:  Project Totals 12583 Asphalt Content 17,655 (\$3,040.55)  Mat Density 17,655 (\$3,040.55)  Mat Density 17,655 (\$315.19)	Gradation	1	1661			1.00000	\$0.00		Grad Key Sieve:
AC 5 4374 56.533 0.87694 (\$6,620.74) 0.315  Density 9 4374 0 94.260 1.04000 \$3,586.68 1.124 Den Mean: 93.7  Gradation 3 4374 66.667 0.98713 (\$461.77) Grad Key Sieve: No. 3  Mix Design No: WCT1065 Process No: 1 Grading: S Price Per Ton: \$50.00 Mix Design I/DP: \$689.37  Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev.  AC 2 1103 1.00000 \$0.00  Density 3 1103 0 100.000 1.02500 \$689.37 1.012 Den Mean: 94.5  Gradation 1 1103 Tons: I/DP:  Project Totals 12583 Asphalt Content 17,655 (\$3,040.55)  Mat Density 17,655 \$11,145.89  Gradation 17,655 (\$315.19)	Mix Design No	o: WCT1	1065 P	rocess No:	1 Gradir	ng: S	Price Per Ton: 9	\$41.00	Mix Design I/DP: (\$3,495.83
Density         9         4374         0         94.260         1.04000         \$3,586.68         1.124         Den Mean:         93.7           Gradation         3         4374         66.667         0.98713         (\$461.77)          Grad Key Sieve:         No. 3           Mix Design No: WCT1065         Process No: 1         Grading: S         Price Per Ton: \$50.00         Mix Design I/DP: \$689.37           Tests         Tons         PF 1.0         Quality Level         Pay Factor         I/DP         Std. Dev.           AC         2         1103         1.00000         \$0.00         \$0.00           Density         3         1103         0         100.000         \$689.37         1.012         Den Mean:         94.5           Gradation         1         1103         1.00000         \$0.00          Grad Key Sleve:    Tons:  ### Tons:  ### Tons:  ### Tons: ### To		Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
Gradation         3         4374         66.667         0.98713         (\$461.77)          Grad Key Sieve: No. 3           Mix Design No: WCT1065         Process No: 1         Grading: S         Price Per Ton: \$50.00         Mix Design I/DP: \$689.37           Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev.           AC         2         1103         1.00000         \$0.00           Density         3         1103         0         100.000         \$689.37         1.012         Den Mean: 94.5           Gradation         1         1103         1.00000         \$0.00          Grad Key Sieve:    Tons:    VDP:	AC	5	4374		56.533	0.87694	(\$6,620.74)	0.315	
Mix Design No: WCT1065         Process No: 1         Grading: S         Price Per Ton: \$50.00         Mix Design I/DP: \$689.37           Tests         Tons         PF 1.0         Quality Level Pay Factor I/DP         Std. Dev.           AC         2         1103         1.00000         \$0.00           Density         3         1103         0         100.000         \$689.37         1.012         Den Mean: 94.5           Gradation         1         1103         1.00000         \$0.00          Grad Key Sleve:    Tons:	Density	9	4374	0	94.260	1.04000	\$3,586.68	1,124	Den Mean: 93.778
Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev.  AC 2 1103	Gradation	3	4374		66.667	0.98713	(\$461.77)		Grad Key Sieve: No. 30
AC 2 1103 1.00000 \$0.00  Density 3 1103 0 100.000 1.02500 \$689.37 1.012 Den Mean: 94.5  Gradation 1 1103 1.00000 \$0.00 Grad Key Sieve:  Tons: I/DP:  Project Totals 12583 Asphalt Content 17,655 (\$3,040.55)  Mat Density 17,655 \$11,145.89  Gradation 17,655 (\$315.19)	Mix Design N	o: WCT1	1065 P	rocess No:	1 Gradin	ng: S	Price Per Ton: 9	\$50.00	Mix Design I/DP: \$689.37
Density         3         1103         0         100.000         1.02500         \$689.37         1.012         Den Mean: 94.5           Gradation         1         1103         1.00000         \$0.00          Grad Key Sieve:    Tons:    VDP:		Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
Gradation   1   1103   1.00000   \$0.00     Grad Key Sleve:	AC	2	1103		-	1.00000	\$0.00		
Tons:   I/DP:   Project Totals   12583   Asphalt Content   17,655   (\$3,040.55)   Mat Density   17,655   (\$315.19)   (\$315.19)	Density	3	1103	0	100.000	1.02500	\$689.37	1.012	Den Mean: 94.533
Project Totals       12583       Asphalt Content       17,655       (\$3,040.55)         Mat Density       17,655       \$11,145.89         Gradation       17,655       (\$315.19)	•	1	1103			1.00000	\$0.00		Grad Key Sieve:
Mat Density       17,655       \$11,145.89         Gradation       17,655       (\$315.19)						Tons:		I/DP:	
Gradation 17,655 (\$315.19)	Project Tota	ls 125	8 <i>3</i>	Asphal	t Content	17,655		(\$3,040.55)	
	-			Ma	t Density	17,655		\$11,145.89	
Plan Quantity 17,609 Project I/DP: \$7,790.15				(	Gradation	17,655		(\$315.19)	
· ···· wearing · · · · · · · · · · · · · · · · · · ·				Plan	Quantity	17.609	Project I/DP	\$7.790.15	
Comments:	0-	١				. ,	,		

	t: 12598	ST	4 1604-00	5 SH 160	W	Regio	n: 2	Supplier: 14	
Mix Design I	No: 124	Р	Process No: 1 Gra		ng: S	Price Per Ton: \$	37.50	Mix Design VDP: \$752.18	
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	15	15000		99.869	1.05000	\$8,437.50	0.111		
Density	31	15500	0	82.629	0.96091	(\$11,360.32)	0.641	Den Mean: 92.603	
Gradation	7	14000		95.217	1.03500	\$3,675.00		Grad Key Sieve: No. 4	
Mix Design I	No: 124-B	Р	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	37.50	Mix Design I/DP: \$45,473.30	
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	26	25822		95.152	1.04670	\$13,567.26	0.155		
Density	51	25822	0	96.028	1.04720	\$22,853.62	0.795	Den Mean: 93.382	
Gradation	14	26822		95.10 <b>1</b>	1.04500	\$9,052.42	•	Grad Key Sieve: 1/2	
					Tons:		I/DP:		
Project Tot	als 1259	8	Asphal	t Content	40,822		\$22,004.76		
			Ma	t Density	41,322		\$11,493.30		
					71,022		Ψ11,700.00		
				Gradation	40,822		\$12,727.42		
			(	•	, -	Project I/DP:	\$12,727.42		
Comme	nts: Final	quantitie	(	Gradation Quantity	40,822	Project I/DP:			
			Plan	Gradation Quantity I.	40,822		\$12,727.42 \$46,225.48	Supplier: 49	
	t: 12632	ST	Plan es not equa	Gradation Quantity I.  O SH 115	40,822 42,375 & Star Rai		\$12,727.42 \$46,225.48	Supplier: 49 Mix Design I/DP: (\$2,302.11)	
Subaccoun	t: 12632	ST	Plan es not equa 4 1151-01	Gradation Quantity I.  O SH 115	40,822 42,375 & Star Rai	nch Regio	\$12,727.42 \$46,225.48		
Subaccoun	t: 12632 No: 10052	<i>ST</i> .	Plan es not equa A 1151-01 Process No:	Gradation Quantity i.  60 SH 115	40,822 42,375 & Star Rai	nch Regio	\$12,727.42 \$46,225.48 <b>n: 2</b> 47.20		
Subaccoun  Mix Design I	<i>t: 12632</i> No: 10052 Tests	ST. 7 F	Plan es not equa A 1151-01 Process No:	Gradation Quantity i.  70 SH 115  1 Gradin Quality Level	40,822 42,375 & Star Ran ng: S Pay Factor	Price Per Ton: \$	\$12,727.42 \$46,225.48 <i>n: 2</i> 47.20 <b>Std. Dev.</b>		
Subaccoun  Mix Design I	t: 12632 No: 10052 Tests 3	<i>ST</i> 27 F Tons 2731	Plan es not equa 4 1151-01 Process No: PF 1.0	Gradation Quantity I.  O SH 115  Gradin Quality Level 49.069	40,822 42,375 & Star Ran ng: S Pay Factor 0.88214	Price Per Ton: \$ //DP (\$4,557.92)	\$12,727.42 \$46,225.48 m: 2 47.20 Std. Dev. 0.396	Mix Design I/DP: (\$2,302.11)	
Subaccoun  Mix Design I  AC  Density	t: 12632 No: 10052 Tests 3 6	<i>ST</i> . 7 F Tons 2731 2731	Plan es not equa 4 1151-01 Process No: PF 1.0	Gradation Quantity I.  O SH 115  Gradin Quality Level 49.069	40,822 42,375 & Star Ran ng: S Pay Factor 0.88214 1.03500	Price Per Ton: \$ - I/DP (\$4,557.92) \$2,255.81	\$12,727.42 \$46,225.48 m: 2 47.20 Std. Dev. 0.396 1.181	Mix Design I/DP: (\$2,302.11)  Den Mean: 93.683	
Subaccoun  Mix Design I  AC  Density	t: 12632 No: 10052 Tests 3 6 2	7 F Tons 2731 2731 2731	Plan es not equa A 1151-01 Process No: PF 1.0	Gradation Quantity I.  I SH 115  1 Gradin Quality Level 49.069	40,822 42,375 & Star Ran ng: S Pay Factor 0.88214 1.03500 1.00000	Price Per Ton: \$ - I/DP (\$4,557.92) \$2,255.81	\$12,727.42 \$46,225.48 m: 2 47.20 Std. Dev. 0.396 1.181	Mix Design I/DP: (\$2,302.11)  Den Mean: 93.683  Grad Key Sieve:	
Mix Design I  AC  Density  Gradation	t: 12632 No: 10052 Tests 3 6 2	7 F Tons 2731 2731 2731	Planes not equal A 1151-01 Process No: PF 1.0  O Aspha	Gradation Quantity I.  IO SH 115  1 Gradin Quality Level 49.069 93.759	40,822 42,375 & Star Ran ng: S Pay Factor 0.88214 1.03500 1.00000 Tons:	Price Per Ton: \$ - I/DP (\$4,557.92) \$2,255.81	\$12,727.42 \$46,225.48 m: 2 47.20 Std. Dev. 0.396 1.181 	Mix Design I/DP: (\$2,302.11)  Den Mean: 93.683  Grad Key Sieve:	
Mix Design I  AC  Density  Gradation	t: 12632 No: 10052 Tests 3 6 2	7 F Tons 2731 2731 2731	Planes not equal A 1151-01 Process No: PF 1.0  Aspha	Gradation Quantity I.  O SH 115  Gradin Quality Level 49.069 93.759	40,822 42,375 & Star Ran ng: S Pay Factor 0.88214 1.03500 1.00000 Tons: 2,731	Price Per Ton: \$ - I/DP (\$4,557.92) \$2,255.81	\$12,727.42 \$46,225.48 n: 2 47.20 Std. Dev. 0.396 1.181  I/DP: (\$4,557.92)	Mix Design I/DP: (\$2,302.11)  Den Mean: 93.683  Grad Key Sieve:	

Subaccoun	t: 12644	IM	0762-041	I-76 Ste	rling to A	Regio	n: 4	Supplier: 60
Mix Design	No: 26301	A F	Process No:	1 Gradir	ng: S	Price Per Ton: \$	47.15	Mix Design I/DP: (\$1,534.36
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.	
AC	3	3142		100.000	1.02500	\$1,111.09	0.046	
Density		0	3142			\$0.00		Den Mean:
Gradation	1	3142			0.91071	(\$2,645.45)		Grad Key Sieve:
Mix Design	No: 26301	в г	rocess No:	1 Gradin	ng: S	Price Per Ton: \$-	47.15	Mix Design I/DP: \$6,443.58
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	19	18566		92.666	1.03416	\$8,969.92	0.160	
Density		0	18566			\$0.00		Den Mean:
Gradation	3	5106		58.946	0.94753	(\$2,526.34)		Grad Key Sieve: No. 8
Mix Design	No: 26301	B F	Process No:	2 Gradin	ng: S	Price Per Ton: \$	47.15	Mix Design I/DP: (\$5,887.74
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.	
AC						\$0.00		
Density		0	0			\$0.00		Den Mean:
Gradation	6	12000		70.061	0.94797	(\$5,887.74)		Grad Key Sieve: 3/8
Mix Design	No: 26301	B F	rocess No:	3 Gradir	ng: S	Price Per Ton: \$	47.15	Mix Design I/DP: \$0.00
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.	
AC						\$0.00		
Density		0	0			\$0.00		Den Mean:
Gradation	1	1460			1.00000	\$0.00		Grad Key Sieve:
Mix Design	No: 55702	A F	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	61.26	Mix Design I/DP: (\$3,734.35
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.	
AC	3	2573		57.120	0.93669	(\$2,993.68)	0.333	
Density	6	2573	0	90.642	1.03500	\$2,758.38	0.787	Den Mean: 93
Gradation	3	2573		50.000	0.88900	(\$3,499.05)		Grad Key Sieve: 1/2
Mix Design	No: 56702	F	Process No:	1 Gradir	ng: S	Price Per Ton: \$	47.15	Mix Design I/DP: \$861.43
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.	
AC	2	1218			1.00000	\$0.00		
Density	4	1218	0	94.381	1.03000	\$861.43	0.976	Den Mean: 93.3
Gradation	1	1218			1.00000	\$0.00		Grad Key Sieve:
					Tons:		I/DP:	
Project Tol	tals 1264	4	Asphal	t Content	25,499		\$7,087.33	
			Ma	t Density	25,499		\$3,619.81	
			(	Gradation	25,499		(\$14,558.58)	
			Plan	Quantity	22,546	Project I/DP:	(\$3,851.44)	
Comme	nts:			•	-	-	,	
Comme								

Subaccount	t: 12732	NH.	I 0501-042	? Unawee	p East	Regi	on: 3	Supplier:	16
Mix Design N	No: 172	F	rocess No:	1 Gradir	ng: SX	Price Per Ton: S	\$31.99	Mix Design I/DP: \$	51,118.96
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	4	3886		100.000	1.03000	\$1,118.96	0.111		
Density		0	3886		1.00000	\$0.00		Den Mear	n:
Gradation	2	3886			1.00000	\$0.00		Grad Key Sieve	<b>:</b> :
Mix Design N	No: 178	F	rocess No:	1 Gradin	ng: SX	Price Per Ton: S	\$36.13	Mix Design I/DP: \$	7,506.51
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	13	12663		81.290	0.97897	(\$2,886.01)	0.139		
Density	26	12663	0	99.195	1.05500	\$12,581.81	0.801	Den Mear	1: 93.946
Gradation	7	12663		76.592	0.97607	(\$2,189.29)		Grad Key Sieve	_
Mix Design N	No: 184	F	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$	\$36.46	Mix Design I/DP: \$	17,834.67
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	13	12041		100.000	1.04500	\$5,927.33	0.050		
Density	25	12041	0	98.879	1.05000	\$10,976.55	0.779	Den Mear	: 93.712
Gradation	7	12041	·	83.775	1.01060	\$930.79		Grad Key Sieve	
					Tons:		I/DP:		
Project Tota	als 1273	32	Asphal	t Content	28,590		\$4,160.28		
			-	t Density	28,590		\$23,558.36		
				Gradation	28,590		(\$1,258.50)	ı	
					,		(+ .)=00.00)		
Commen	nts:		Plan	Quantity	27,930	Project I/DP:	\$26,460.14		
Commen Subaccount		NH.	Plan <i>I 0402-057</i>	-	27,930 <i>le of Rabbi</i>	-	s \$26,460.14 on: 3	Supplier:	21
	t: 12733			7 West Sid	le of Rabbi	-	on: 3	Supplier: Mix Design I/DP: \$	
Subaccount	t: 12733		I 0402-057	7 West Sid	le of Rabbi	t Ears Region	on: 3		
Subaccount	<i>t: 12733</i> No: WCT	103 F	<i>I 0402-057</i> Process No:	<ul><li>West Sid</li><li>1 Gradin</li></ul>	le of Rabbi	t Ears Region	on: 3 \$33.92		
Subaccount Mix Design N	t: 12733 No: WCT Tests	103 F <b>Tons</b>	<i>I 0402-057</i> Process No:	7 West Sid 1 Gradir Quality Level	<i>le of Rabbi</i> ng: SX Pay Factor	t Ears Region	on: 3 \$33.92 Std. Dev.		6,812.73
Subaccount Mix Design N AC Density	t: 12733 No: WCT Tests	103 F <b>Tons</b> 9796	7 0402-057 Process No: PF 1.0	7 West Sid 1 Gradir Quality Level	<i>le of Rabbi</i> ng: SX Pay Factor	Price Per Ton: \$ //DP \$4,486.43	on: 3 \$33.92 Std. Dev.	Mix Design I/DP: \$	6,812.73 ::
Subaccount Mix Design N  AC Density Gradation	t: 12733 No: WCT Tests 12 6	103 F Tons 9796 0 9796	7 0402-057 Process No: PF 1.0 9796	7 West Sid 1 Gradir Quality Level 99.838 100.000	g: SX Pay Factor 1.04500 1.03500	Price Per Ton: \$ //DP \$4,486.43 \$0.00	on: 3 \$33.92 Std. Dev. 0.088	Mix Design I/DP: \$	6,812.73 n: e: All QLs1
Subaccount  Mix Design N  AC  Density  Gradation	t: 12733 No: WCT Tests 12 6	103 F Tons 9796 0 9796	7 0402-057 Process No: PF 1.0 9796	7 West Sid 1 Gradir Quality Level 99.838 100.000	ng: SX Pay Factor 1.04500 1.03500 ng: SX	Price Per Ton: \$\frac{1}{DP}\$ \$4,486.43 \$0.00 \$2,326.30 Price Per Ton: \$\frac{1}{2}\$	on: 3 \$33.92 Std. Dev. 0.088	Mix Design I/DP: \$  Den Mear  Grad Key Sieve	6,812.73 n: e: All QLs1
Subaccount Mix Design N	t: 12733 No: WCT Tests 12 6	103 F Tons 9796 0 9796	7 0402-057 Process No: PF 1.0 9796	7 West Sid 1 Gradin Quality Level 99.838 100.000 1 Gradin	ng: SX Pay Factor 1.04500 1.03500 ng: SX	Price Per Ton: \$\frac{1}{DP}\$ \$4,486.43 \$0.00 \$2,326.30 Price Per Ton: \$\frac{1}{2}\$	on: 3 \$33.92 Std. Dev. 0.088	Mix Design I/DP: \$  Den Mear  Grad Key Sieve	6,812.73 n: e: All QLs10
Mix Design N  AC  Density  Gradation  Mix Design N	t: 12733 No: WCT Tests 12 6 No: WCT Tests	103 F Tons 9796 0 9796 103A F Tons	7 0402-057 Process No: PF 1.0 9796	7 West Sid 1 Gradin Quality Level 99.838 100.000 1 Gradin	ng: SX Pay Factor 1.04500 1.03500 ng: SX Pay Factor	Price Per Ton: \$  1/DP \$4,486.43 \$0.00 \$2,326.30  Price Per Ton: \$ 1/DP	on: 3 \$33.92 Std. Dev. 0.088	Mix Design I/DP: \$  Den Mear Grad Key Sieve  Mix Design I/DP: \$	6,812.73 i: :: All QLs10
Mix Design N  AC  Density  Gradation  Mix Design N	t: 12733 No: WCT Tests 12 6 No: WCT Tests 2	103 F Tons 9796 0 9796  103A F Tons 2563	7 0402-057 Process No: PF 1.0 9796 Process No: PF 1.0	West Side 1 Gradin Quality Level 99.838 100.000 1 Gradin Quality Level	ng: SX Pay Factor 1.04500 1.03500 ng: SX Pay Factor 1.00000	# Ears Region  Price Per Ton: \$  1/DP  \$4,486.43  \$0.00 \$2,326.30  Price Per Ton: \$  1/DP  \$0.00	on: 3 \$33.92 Std. Dev. 0.088  \$39.80 Std. Dev.	Mix Design I/DP: \$  Den Mear  Grad Key Sieve	6,812.73 i: :: All QLs10 i1,275.10
Mix Design N  AC  Density  Gradation  Mix Design N  AC  Density	t: 12733 No: WCT Tests 12 6 No: WCT Tests 2 3 1	103 F Tons 9796 0 9796  103A F Tons 2563 2563	7 0402-057 Process No: PF 1.0 9796 Process No: PF 1.0	1 Gradir Quality Level 99.838 100.000 1 Gradir Quality Level 100.000	ng: SX Pay Factor 1.04500 1.03500 ng: SX Pay Factor 1.00000 1.02500 1.00000	Price Per Ton: \$\footnote{I/DP} \\$4,486.43 \\$0.00 \\$2,326.30 Price Per Ton: \$\footnote{I/DP} \\$0.00 \\$1,275.10	\$33.92 \$td. Dev. 0.088  \$39.80 \$td. Dev. 0.300	Den Mear Grad Key Sieve Mix Design I/DP: \$	6,812.73 :: All QLs1 :1,275.10 :: 92.5
Mix Design N  AC  Density  Gradation  AC  Density  AC  Density  Gradation	t: 12733 No: WCT Tests 12 6 No: WCT Tests 2 3 1	103 F Tons 9796 0 9796  103A F Tons 2563 2563	Process No: PF 1.0 9796  Process No: PF 1.0 0	7 West Sid 1 Gradin Quality Level 99.838 100.000 1 Gradin Quality Level 100.000	ng: SX Pay Factor 1.04500 1.03500 ng: SX Pay Factor 1.00000 1.02500 1.00000	Price Per Ton: \$  1/DP \$4,486.43 \$0.00 \$2,326.30  Price Per Ton: \$  1/DP \$0.00 \$1,275.10 \$0.00  Price Per Ton: \$	\$33.92 \$td. Dev. 0.088  \$39.80 \$td. Dev. 0.300	Den Mear Grad Key Sieve Mix Design I/DP: \$	6,812.73 :: All QLs1 :1,275.10 :: 92.5
Mix Design N  AC  Density  Gradation  AC  Density  AC  Density  Gradation	t: 12733 No: WCT Tests 12 6 No: WCT Tests 2 3 1 No: WCT1 Tests	103 F Tons 9796 0 9796  103A F Tons 2563 2563 2563 103B F Tons	7 0402-057 Process No: PF 1.0 9796 Process No: PF 1.0 0	1 Gradir Quality Level 99.838 100.000 1 Gradir Quality Level 100.000  1 Gradir Quality Level	ng: SX Pay Factor 1.04500 1.03500 ng: SX Pay Factor 1.00000 1.02500 1.00000	Price Per Ton: \$  1/DP \$4,486.43 \$0.00 \$2,326.30  Price Per Ton: \$  1/DP \$0.00 \$1,275.10 \$0.00  Price Per Ton: \$  1/DP	on: 3 \$33.92 \$td. Dev. 0.088 \$39.80 \$td. Dev. 0.300 \$40.24 \$td. Dev.	Den Mear Grad Key Sieve Mix Design I/DP: \$	6,812.73 :: All QLs1 :1,275.10 :: 92.5
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  Mix Design N  AC  AC  AC  AC  AC  AC  AC  AC  AC  A	t: 12733 No: WCT Tests 12 6 No: WCT Tests 2 3 1 No: WCT1 Tests 23	103 F Tons 9796 0 9796  103A F Tons 2563 2563 2563 703B F Tons 21992	7 0402-057 Process No: PF 1.0 9796 Process No: PF 1.0 0 Process No: PF 1.0	1 Gradir Quality Level 99.838 100.000 1 Gradir Quality Level 100.000  1 Gradir Quality Level 99.518	g: SX Pay Factor 1.04500 1.03500 g: SX Pay Factor 1.00000 1.02500 1.00000 ng: SX Pay Factor 1.05000	Price Per Ton: \$  //DP \$4,486.43 \$0.00 \$2,326.30  Price Per Ton: \$  //DP \$0.00 \$1,275.10 \$0.00  Price Per Ton: \$  //DP \$13,274.19	\$33.92 \$td. Dev. 0.088 \$39.80 \$td. Dev. 0.300  \$40.24 \$td. Dev. 0.082	Den Mear Grad Key Sieve Mix Design I/DP: \$	6,812.73 :: All QLs1 :1,275.10 :: 92.5 ::
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation	t: 12733 No: WCT Tests 12 6 No: WCT Tests 2 3 1 No: WCT1 Tests	103 F Tons 9796 0 9796  103A F Tons 2563 2563 2563 103B F Tons	7 0402-057 Process No: PF 1.0 9796 Process No: PF 1.0 0	1 Gradir Quality Level 99.838 100.000 1 Gradir Quality Level 100.000  1 Gradir Quality Level	g: SX Pay Factor 1.04500 1.03500 g: SX Pay Factor 1.00000 1.02500 1.00000 ng: SX Pay Factor	Price Per Ton: \$  1/DP \$4,486.43 \$0.00 \$2,326.30  Price Per Ton: \$  1/DP \$0.00 \$1,275.10 \$0.00  Price Per Ton: \$  1/DP	on: 3 \$33.92 \$td. Dev. 0.088 \$39.80 \$td. Dev. 0.300 \$40.24 \$td. Dev.	Den Mear Grad Key Sieve Mix Design I/DP: \$ Den Mear Grad Key Sieve	6,812.73 :: All QLs1 :: All QLs1 :: 92.5 :: 43,704.12
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  Mix Design N  AC  AC  AC  AC  AC  AC  AC  AC  AC  A	t: 12733 No: WCT Tests 12 6 No: WCT Tests 2 3 1 No: WCT1 Tests 23 49	103 F Tons 9796 0 9796  103A F Tons 2563 2563 2563 2563 103B F Tons 21992 21992	7 0402-057 Process No: PF 1.0 9796 Process No: PF 1.0 0 Process No: PF 1.0	7 West Side  1 Gradin  Quality Level 99.838  100.000  1 Gradin  Quality Level  100.000  1 Gradin  Quality Level 99.518 96.507	ng: SX Pay Factor 1.04500 1.03500 ng: SX Pay Factor 1.00000 1.02500 1.00000 ng: SX Pay Factor 1.05000 1.05077	Price Per Ton: \$  //DP \$4,486.43 \$0.00 \$2,326.30  Price Per Ton: \$  //DP \$0.00 \$1,275.10 \$0.00  Price Per Ton: \$  //DP \$13,274.19 \$22,465.41	\$33.92 \$td. Dev. 0.088 \$39.80 \$td. Dev. 0.300  \$40.24 \$td. Dev. 0.082 0.776	Den Mear Grad Key Sieve Mix Design I/DP: \$  Den Mear Grad Key Sieve  Mix Design I/DP: \$  Den Mear Grad Key Sieve	6,812.73 :: All QLs10 :1,275.10 :: 92.5 :: 443,704.12 :: 93.392
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation	t: 12733 No: WCT Tests 12 6 No: WCT Tests 2 3 1 No: WCT1 Tests 23 49 12	103 F Tons 9796 0 9796 103A F Tons 2563 2563 2563 2563 2592 21992 21992	7 0402-057 Process No: PF 1.0 9796 Process No: PF 1.0 0 Process No: PF 1.0	7 West Side  1 Gradin  Quality Level 99.838  100.000  1 Gradin  Quality Level  100.000  1 Gradin  Quality Level 99.518 96.507	ng: SX Pay Factor 1.04500 1.03500 ng: SX Pay Factor 1.00000 1.02500 1.00000 ng: SX Pay Factor 1.05000 1.05077 1.04500	Price Per Ton: \$  //DP \$4,486.43 \$0.00 \$2,326.30  Price Per Ton: \$  //DP \$0.00 \$1,275.10 \$0.00  Price Per Ton: \$  //DP \$13,274.19 \$22,465.41	\$33.92 \$td. Dev. 0.088 \$39.80 \$td. Dev. 0.300  \$40.24 \$td. Dev. 0.082 0.776	Den Mear Grad Key Sieve Mix Design I/DP: \$  Den Mear Grad Key Sieve  Mix Design I/DP: \$  Den Mear Grad Key Sieve	6,812.73 :: All QLs10 :1,275.10 :: 92.5 :: 443,704.12 :: 93.392
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  AC  Density Gradation	t: 12733 No: WCT Tests 12 6 No: WCT Tests 2 3 1 No: WCT1 Tests 23 49 12	103 F Tons 9796 0 9796 103A F Tons 2563 2563 2563 2563 2592 21992 21992	Process No: PF 1.0 9796  Process No: PF 1.0 0  Asphal	1 Gradir Quality Level 99.838 100.000 1 Gradir Quality Level 100.000 1 Gradir Quality Level 99.518 96.507 97.744 t Content	g: SX Pay Factor 1.04500 1.03500 g: SX Pay Factor 1.00000 1.02500 1.00000 g: SX Pay Factor 1.05000 1.05077 1.04500 Tons: 34,351	Price Per Ton: \$  //DP \$4,486.43 \$0.00 \$2,326.30  Price Per Ton: \$  //DP \$0.00 \$1,275.10 \$0.00  Price Per Ton: \$  //DP \$13,274.19 \$22,465.41	\$33.92 \$td. Dev. 0.088  \$39.80 \$td. Dev. 0.300  \$40.24 \$td. Dev. 0.082 0.776  I/DP: \$17,760.62	Den Mear Grad Key Sieve Mix Design I/DP: \$  Den Mear Grad Key Sieve  Mix Design I/DP: \$  Den Mear Grad Key Sieve	6,812.73 :: All QLs10 :1,275.10 :: 92.5 :: 443,704.12 :: 93.392
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  AC  Density Gradation	t: 12733 No: WCT Tests 12 6 No: WCT Tests 2 3 1 No: WCT1 Tests 23 49 12	103 F Tons 9796 0 9796 103A F Tons 2563 2563 2563 2563 2592 21992 21992	Process No: PF 1.0 9796  Process No: PF 1.0 0  Asphali	1 Gradir Quality Level 99.838 100.000 1 Gradir Quality Level 100.000 1 Gradir Quality Level 99.518 96.507 97.744	g: SX Pay Factor 1.04500 1.03500 1.03500 1.02500 1.00000 1.02500 1.00000 1.05000 1.05077 1.04500 Tons:	Price Per Ton: \$  //DP \$4,486.43 \$0.00 \$2,326.30  Price Per Ton: \$  //DP \$0.00 \$1,275.10 \$0.00  Price Per Ton: \$  //DP \$13,274.19 \$22,465.41	\$33.92 \$td. Dev. 0.088 \$39.80 \$td. Dev. 0.300  \$40.24 \$td. Dev. 0.082 0.776 	Den Mear Grad Key Sieve Mix Design I/DP: \$  Den Mear Grad Key Sieve  Mix Design I/DP: \$  Den Mear Grad Key Sieve	6,812.73 :: All QLs10 :1,275.10 :: 92.5 :: 43,704.12 :: 93.392

	: 12735	STA	4 0131-04	0 Meeker		Regio	n: 3	Supplier:	29
Mix Design N	lo: 193A	Р	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$2	28.70	Mix Design I/DP: \$	3,200.22
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	6	7194		95.039	1.03500	\$2,167.89	0.174		
Density		0	0			\$0.00		Den Mean	:
Gradation	3	7194		100.000	1.02500	\$1,032.33		Grad Key Sieve	: All QLs10
Mix Design N	lo: 194A	Р	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$2	28.36	Mix Design I/DP: \$	2,390.62
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	6	5438		100.000	1.03500	\$1,619.45	0.051		
Density		0	0			\$0.00		Den Mean	:
Gradation	3	5438		77.281	1.02500	\$771.17		<b>Grad Key Sieve</b>	: No. 4
Mix Design N	lo: 198A	P	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$	35.59	Mix Design I/DP: \$	639.21
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	2	1437		,	1.00000	\$0.00			
Density	3	1437	0	100.000	1.02500	\$639.21	0.600	Den Mean	: 93.8
Gradation			-			\$0.00	••••	Grad Key Sieve	:
Mix Design N	lo: 199-A	P	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	34.60	Mix Design I/DP: \$	993.57
_	Tests	Tons	PF 1.0	Quality Level	Pay Factor	1/DP	Std. Dev.		
AC	1	1641	11 110	addinty Love:	1.00000	\$0.00	014. 501.		
Density	6	1641	0	100.000	1.03500	\$993.57	0.729	Den Mean	. 93.75
Gradation	1	1641	•	100.000	1.00000	\$0.00		Grad Key Sieve	
		1041			1.00000				
Mix Design N			rocess No:		ng: SX	Price Per Ton: \$		Mix Design I/DP: \$	17,114.46
	Tests	Tons	PF 1.0	Quality Level	-		Std. Dev.		
AC	19	19042		86.876	1.00077	\$135.81	0.104		
Density	35	19042	0	99.620	1.05500	\$16,164.61	0.680	Den Mean	
Gradation	10	19042		85.300	1.00692	\$814.04		Grad Key Sieve	: No. 4
				85.300	1.00692 Tons:	\$814.04	I/DP:	Grad Key Sieve	: No. 4
				t Content		\$814.04		Grad Key Sieve	: No. 4
					Tons:	\$814.04	I/DP:	Grad Key Sieve	: No. 4
			Ma	t Content	Tons: 34,752	\$814.04	I/ <b>DP:</b> \$3,923.15	Grad Key Sieve	: No. 4
			Ma <sup>°</sup>	t Content t Density	Tons: 34,752 22,120	\$814.04 Project I/DP:	I/ <b>DP:</b> \$3,923.15 \$17,797.39	Grad Key Sieve	: No. 4
<del>_</del>	als 1273		Ma <sup>°</sup>	t Content t Density Gradation	Tons: 34,752 22,120 33,315		I/ <b>DP:</b> \$3,923.15 \$17,797.39 \$2,617.54	Grad Key Sieve	: No. 4
Project Total	als 1273	25	Ma <sup>°</sup>	t Content t Density Gradation Quantity	Tons: 34,752 22,120 33,315 24,686		1/ <b>DP</b> : \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08		20
Project Total  Comment	als 1273	PL.	Ma Plan <i>H-FH 065</i>	t Content t Density Gradation Quantity  6A- Grand	Tons: 34,752 22,120 33,315 24,686	Project I/DP:	1/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08	Supplier:	20
Project Total  Comment	als 1273  hts: 1: 12737	PL.	Ma Plan H-FH 065	t Content t Density Gradation Quantity  A- Grand M	Tons: 34,752 22,120 33,315 24,686 Mesa	Project I/DP:  Regio  Price Per Ton: \$	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08		20
Subaccount Mix Design N	als 1273  ints:  t: 12737  No: 219  Tests	PL.	Ma Plan <i>H-FH 065</i>	t Content t Density Gradation Quantity  A- Grand M 1 Gradin Quality Level	Tons: 34,752 22,120 33,315 24,686  Mesa  ng: SX Pay Factor	Project I/DP:  Regio  Price Per Ton: \$ I/DP	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08 on: 3	Supplier:	20
Commer Subaccount Mix Design N	als 1273  hts: 1: 12737	PL. PTons 6193	Ma Plan H-FH 065 Process No: PF 1.0	t Content t Density Gradation Quantity  A- Grand M	Tons: 34,752 22,120 33,315 24,686 Mesa	Project I/DP:  Regio  Price Per Ton: \$ I/DP \$1,182.30	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08	Supplier: Mix Design I/DP: (	<b>20</b> \$14,036.01)
Comment Subaccount Mix Design N  AC Density	als 1273  ints:  1: 12737  No: 219  Tests 6	PL. PTons 6193 0	Ma Plan H-FH 065	t Content t Density Gradation Quantity  1 Gradin Quality Level 82.998	Tons: 34,752 22,120 33,315 24,686  Mesa  ng: SX Pay Factor	Project I/DP:  Regio  Price Per Ton: \$  I/DP  \$1,182.30  \$0.00	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08 on: 3	Supplier:	<b>20</b> \$14,036.01)
Commer Subaccount Mix Design N AC Density Gradation	als 1273  ints:  1: 12737  No: 219  Tests 6 3	PL. PTons 6193 0 6193	Plan Process No: PF 1.0 6193	t Content t Density Gradation Quantity  5A- Grand M 1 Gradin Quality Level 82.998 36.518	Tons: 34,752 22,120 33,315 24,686  Mesa  ng: SX Pay Factor 1.01165 0.77514	Project I/DP:  **Regio**  Price Per Ton: \$  I/DP  \$1,182.30  \$0.00  (\$15,218.31)	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08 on: 3 54.64 Std. Dev. 0.229	Supplier:  Mix Design I/DP: (Supplier:  Den Mean Grad Key Sieve	20 \$14,036.01) :: :: No. 200
Comment Subaccount Mix Design N  AC Density	als 1273  ints:  1: 12737  No: 219  Tests 6 3  No: 227	PL. PTons 6193 0 6193	Plan Process No: PF 1.0 6193	t Content t Density Gradation Quantity  1 Gradin Quality Level 82.998 36.518 1 Gradin	Tons: 34,752 22,120 33,315 24,686  Mesa  ng: SX Pay Factor 1.01165 0.77514	Project I/DP:  **Regio**  Price Per Ton: \$  I/DP  \$1,182.30  \$0.00  (\$15,218.31)  Price Per Ton: \$	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08 on: 3 54.64 Std. Dev. 0.229	Supplier:  Mix Design I/DP: (S	20 \$14,036.01) :: :: No. 200
Commer Subaccount Mix Design N  AC Density Gradation  Mix Design N	als 1273  ints:  it: 12737  No: 219  Tests 6 3  No: 227  Tests	PL. PTons 6193 0 6193 FTons	Plan Process No: PF 1.0 6193	t Content t Density Gradation Quantity  1 Gradin Quality Level 82.998 36.518 1 Gradin Quality Level	Tons: 34,752 22,120 33,315 24,686  Mesa  ng: SX Pay Factor 1.01165 0.77514  ng: SX Pay Factor	Project I/DP:  **Regio**  Price Per Ton: \$  I/DP  \$1,182.30 \$0.00 (\$15,218.31)  Price Per Ton: \$  I/DP	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08 on: 3 54.64 Std. Dev. 0.229  54.64 Std. Dev.	Supplier:  Mix Design I/DP: (Supplier:  Den Mean Grad Key Sieve	20 \$14,036.01) :: :: No. 200
Commer Subaccount Mix Design N  AC Density Gradation  Mix Design N	als 1273  ints:  it: 12737  No: 219  Tests 6 3  No: 227  Tests 19	PL. PTons 6193 0 6193 FTons 18597	Plan Process No: PF 1.0 6193 Process No: PF 1.0	t Content t Density Gradation Quantity  1 Gradin Quality Level 82.998 36.518 1 Gradin Quality Level 99.719	Tons: 34,752 22,120 33,315 24,686  Mesa  ng: SX Pay Factor 1.01165 0.77514  ng: SX Pay Factor 1.05000	Project I/DP:  **Regio**  Price Per Ton: \$  **I/DP**  \$1,182.30 \$0.00 (\$15,218.31)  Price Per Ton: \$  **I/DP**  \$15,241.73	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08 on: 3 54.64 Std. Dev. 0.229  54.64 Std. Dev. 0.112	Supplier:  Mix Design I/DP: (Supplier:  Den Mean Grad Key Sieve  Mix Design I/DP: \$	20 \$14,036.01) :: :: No. 200 5,468.72
Commer Subaccount Mix Design N  AC Density Gradation  Mix Design N  AC Density	als 1273  ats:  1: 12737  No: 219  Tests 6 3  No: 227  Tests 19 38	PL. PTons 6193 0 6193 FTons 18597	Plan Process No: PF 1.0 6193	t Content t Density Gradation Quantity  1 Gradi Quality Level 82.998 36.518 1 Gradii Quality Level 99.719 89.815	Tons: 34,752 22,120 33,315 24,686  Mesa  ng: SX Pay Factor 1.01165 0.77514  ng: SX Pay Factor 1.05000 1.00664	Project I/DP:  **Regio**  Price Per Ton: \$  **I/DP**  \$1,182.30  \$0.00  (\$15,218.31)  Price Per Ton: \$  **I/DP**  \$15,241.73  \$3,374.52	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08 m: 3 54.64 Std. Dev. 0.229  54.64 Std. Dev. 0.112 1.220	Supplier:  Mix Design I/DP: (Supplier:  Den Mean Grad Key Sieve  Mix Design I/DP: \$	20 \$14,036.01) :: No. 200 5,468.72 :: 93.803
Commer Subaccount Mix Design N  AC Density Gradation  Mix Design N	als 1273  ints:  it: 12737  No: 219  Tests 6 3  No: 227  Tests 19	PL. PTons 6193 0 6193 FTons 18597	Plan Process No: PF 1.0 6193 Process No: PF 1.0	t Content t Density Gradation Quantity  1 Gradii Quality Level 82.998 36.518 1 Gradii Quality Level 99.719	Tons: 34,752 22,120 33,315 24,686  Mesa  ng: SX Pay Factor 1.01165 0.77514  ng: SX Pay Factor 1.05000	Project I/DP:  **Regio**  Price Per Ton: \$  **I/DP**  \$1,182.30 \$0.00 (\$15,218.31)  Price Per Ton: \$  **I/DP**  \$15,241.73	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08 on: 3 54.64 Std. Dev. 0.229  54.64 Std. Dev. 0.112	Supplier:  Mix Design I/DP: (Supplier:  Den Mean Grad Key Sieve  Mix Design I/DP: \$	20 \$14,036.01) :: No. 200 5,468.72 :: 93.803
Commer Subaccount Mix Design N AC Density Gradation AC Density Gradation	als 1273  ats:  12737  No: 219  Tests 6 3  No: 227  Tests 19 38 10	PL. PTons 6193 0 6193 FTons 18597 18597	Plan Process No: PF 1.0 6193 Process No: PF 1.0	t Content t Density Gradation Quantity  1 Gradi Quality Level 82.998 36.518 1 Gradii Quality Level 99.719 89.815	Tons: 34,752 22,120 33,315 24,686  Mesa  ng: SX Pay Factor 1.01165 0.77514  ng: SX Pay Factor 1.05000 1.00664	Project I/DP:  **Regio**  Price Per Ton: \$  **I/DP**  \$1,182.30  \$0.00  (\$15,218.31)  Price Per Ton: \$  **I/DP**  \$15,241.73  \$3,374.52	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08 m: 3 54.64 Std. Dev. 0.229  54.64 Std. Dev. 0.112 1.220	Supplier:  Mix Design I/DP: (Supplier:  Den Mean Grad Key Sieve  Mix Design I/DP: \$	20 \$14,036.01) :: No. 200 5,468.72 :: 93.803
Commer Subaccount Mix Design N  AC Density Gradation  AC Density	als 1273  ats:  12737  No: 219  Tests 6 3  No: 227  Tests 19 38 10	PL. PTons 6193 0 6193 FTons 18597 18597	Plan  Process No: PF 1.0  6193  Process No: PF 1.0  0	t Content t Density Gradation Quantity  1 Gradi Quality Level 82.998 36.518 1 Gradii Quality Level 99.719 89.815	Tons: 34,752 22,120 33,315 24,686  Mesa  ng: SX Pay Factor 1.01165 0.77514  ng: SX Pay Factor 1.05000 1.00664 0.93530	Project I/DP:  **Regio**  Price Per Ton: \$  **I/DP**  \$1,182.30  \$0.00  (\$15,218.31)  Price Per Ton: \$  **I/DP**  \$15,241.73  \$3,374.52	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08 on: 3 54.64 Std. Dev. 0.229  54.64 Std. Dev. 0.112 1.220	Supplier:  Mix Design I/DP: (Supplier:  Den Mean Grad Key Sieve  Mix Design I/DP: \$	20 \$14,036.01) :: No. 200 5,468.72 :: 93.803
Commerce Subaccount Mix Design No AC Density Gradation AC Density Gradation	als 1273  ats:  12737  No: 219  Tests 6 3  No: 227  Tests 19 38 10	PL. PTons 6193 0 6193 FTons 18597 18597	Plan Process No: PF 1.0 6193 Process No: PF 1.0 0	t Content t Density Gradation Quantity  IA- Grand M 1 Gradin Quality Level 82.998 36.518 1 Gradin Quality Level 99.719 89.815 72.525	Tons: 34,752 22,120 33,315 24,686  Mesa  ng: SX Pay Factor 1.01165 0.77514  ng: SX Pay Factor 1.05000 1.00664 0.93530  Tons:	Project I/DP:  **Regio**  Price Per Ton: \$  **I/DP**  \$1,182.30  \$0.00  (\$15,218.31)  Price Per Ton: \$  **I/DP**  \$15,241.73  \$3,374.52	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08 on: 3 54.64 Std. Dev. 0.229  54.64 Std. Dev. 0.112 1.220  I/DP:	Supplier:  Mix Design I/DP: (Supplier:  Den Mean Grad Key Sieve  Mix Design I/DP: \$	20 \$14,036.01) :: No. 200 5,468.72 :: 93.803
Commerce Subaccount Mix Design N  AC Density Gradation  AC Density Gradation	als 1273  ats:  12737  No: 219  Tests 6 3  No: 227  Tests 19 38 10	PL. PTons 6193 0 6193 FTons 18597 18597	Plan Process No: PF 1.0 6193 Process No: PF 1.0 0	t Content t Density Gradation Quantity  IA- Grand M 1 Gradin Quality Level 82.998 36.518 1 Gradin Quality Level 99.719 89.815 72.525	Tons: 34,752 22,120 33,315 24,686  Mesa  ng: SX Pay Factor 1.01165 0.77514  ng: SX Pay Factor 1.05000 1.00664 0.93530  Tons: 24,790	Project I/DP:  **Regio**  Price Per Ton: \$  **I/DP**  \$1,182.30  \$0.00  (\$15,218.31)  Price Per Ton: \$  **I/DP**  \$15,241.73  \$3,374.52	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08 m: 3 54.64 Std. Dev. 0.229  54.64 Std. Dev. 0.112 1.220  I/DP: \$16,424.03	Supplier:  Mix Design I/DP: (Supplier:  Den Mean Grad Key Sieve  Mix Design I/DP: \$  Den Mean Grad Key Sieve	20 \$14,036.01) :: No. 200 5,468.72 :: 93.803
Commerce Subaccount Mix Design N  AC Density Gradation  AC Density Gradation	als 1273  ats:  12737  No: 219  Tests 6 3  No: 227  Tests 19 38 10	PL. PTons 6193 0 6193 FTons 18597 18597	Plan  Process No: PF 1.0  6193  Process No: PF 1.0  0  Asphal	t Content t Density Gradation Quantity  IA- Grand M 1 Gradin Quality Level 82.998 36.518 1 Gradin Quality Level 99.719 89.815 72.525 t Content t Density	Tons: 34,752 22,120 33,315 24,686  Mesa  ng: SX Pay Factor 1.01165 0.77514  ng: SX Pay Factor 1.05000 1.00664 0.93530  Tons: 24,790 24,790	Project I/DP:  **Regio**  Price Per Ton: \$  **I/DP**  \$1,182.30  \$0.00  (\$15,218.31)  Price Per Ton: \$  **I/DP**  \$15,241.73  \$3,374.52	I/DP: \$3,923.15 \$17,797.39 \$2,617.54 \$24,338.08 <i>m: 3</i> 54.64 Std. Dev. 0.229  54.64 Std. Dev. 0.112 1.220  I/DP: \$16,424.03 \$3,374.52 (\$28,365.84)	Supplier:  Mix Design I/DP: (Supplier:  Den Mean Grad Key Sieve  Mix Design I/DP: \$  Den Mean Grad Key Sieve	20 \$14,036.01) :: No. 200 5,468.72 :: 93.803

Subaccoun	t: 12858	NH	<i>1 0851-00</i> .	3 SH 16 to	o Academy	Regio	n: 2	Supplier: 4	4
Mix Design I	No: 151	Р	rocess No:	1 Gradin	ng: S	Price Per Ton: \$	45.00	Mix Design I/DP: (\$4,366.97)	
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	6	5943		61.689	0.89423	(\$8,486.25)	0.114		
Density	12	5943	0	88.890	1.02081	\$2,782.11	0.965	Den Mean:	93.167
Gradation	3	5943		100.000	1.02500	\$1,337.17		Grad Key Sieve:	All QLs10
Mix Design N	No: 152	Р	rocess No:	1 Gradin	ng: S	Price Per Ton: \$	54.00	Mix Design I/DP: (\$1	,223.85)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	5	2097		100.000	1.03000	\$1,019. <b>1</b> 4	0.101		
Density	10	2097	0	79.215	0.97541	(\$1,392.36)	1.219	Den Mean:	93.01
Gradation	3	2097		61.629	0.96244	(\$850.63)		Grad Key Sleve:	No. 200
					Tons:		I/DP:		
Project Tota	als 1285	8	Asphal	t Content	8,040		(\$7,467.11)		
			Ma	t Density	8,040		\$1,389.75		
				Gradation	8,040		\$486.54		
			(	Jiauation	0,0.0				
					•	Project I/DP:			
Commer	nts:			Quantity	8,042	Project I/DP:	(\$5,590.82)		
Commer	nts:				•	Project I/DP:			
Commer Subaccount		NH		Quantity	•		(\$5,590.82)	Supplier: 3:	3
	t: 12865		Plan	Quantity  5 US 40, 7	8,042		(\$5,590.82) n: 6	Supplier: 3. Mix Design I/DP: \$4,	
Subaccount	t: 12865		Plan	Quantity  US 40, 1	8,042  Tabor to Kip	pling Regio	(\$5,590.82) n: 6		
Subaccount	t: 12865	'-1 P	Plan  1 0404-036	Quantity  5 US 40, 2	8,042  Tabor to Kip	pling Regio	(\$5,590.82) n: 6 30.00		
Subaccount Mix Design N	t: 12865 No: 105847 Tests	'-1 P	Plan  1 0404-036	Quantity  US 40, 1  Gradin  Quality Level	8,042  Tabor to Kipong: S  Pay Factor	Price Per Ton: \$	(\$5,590.82)  n: 6  30.00  Std. Dev.		273.73
Subaccount Mix Design N	t: 12865 No: 105847 Tests 7	'-1 P <b>Tons</b> 6494	Plan 7 0404-036 Process No: PF 1.0	Quantity  US 40, 1  Gradin  Quality Level  76.659	Rabor to Kip ng: S Pay Factor 0.97643	Price Per Ton: \$1/DP (\$1,377.66)	(\$5,590.82)  n: 6  30.00  Std. Dev. 0.203	Mix Design I/DP: \$4,	92.94
Subaccount Mix Design N  AC Density	t: 12865 No: 105847 Tests 7 15 5	7-1 P Tons 6494 7494 7494	Plan 7 0404-036 Process No: PF 1.0	Quantity  1 Gradin Quality Level 76.659 93.614 84.907	8,042  Fabor to Kip  ng: S  Pay Factor 0.97643 1.03999 1.02570	Price Per Ton: \$ //DP (\$1,377.66) \$4,495.80	(\$5,590.82)  n: 6  30.00  Std. Dev. 0.203 0.632	Mix Design I/DP: \$4,  Den Mean:	273.73 92.94 No. 8
Mix Design N  AC  Density  Gradation	t: 12865 No: 105847 Tests 7 15 5	7-1 P Tons 6494 7494 7494	Plan  7 0404-036  Process No: PF 1.0	Quantity  1 Gradin Quality Level 76.659 93.614 84.907	8,042  Fabor to Kip  ng: S  Pay Factor 0.97643 1.03999 1.02570	Price Per Ton: \$  //DP  (\$1,377.66) \$4,495.80 \$1,155.59  Price Per Ton: \$	(\$5,590.82)  n: 6  30.00  Std. Dev. 0.203 0.632	Mix Design I/DP: \$4,  Den Mean: Grad Key Sieve:	273.73 92.94 No. 8
Mix Design N  AC  Density  Gradation	f: 12865 No: 105847 Tests 7 15 5	7-1 P Tons 6494 7494 7494	Plan  7 0404-036  Process No:  PF 1.0  0	Quantity  1 Gradin  Quality Level  76.659  93.614  84.907  2 Gradin	8,042  Fabor to Kip  ng: S  Pay Factor 0.97643 1.03999 1.02570	Price Per Ton: \$  //DP  (\$1,377.66) \$4,495.80 \$1,155.59  Price Per Ton: \$	(\$5,590.82)  n: 6  30.00  Std. Dev. 0.203 0.632 30.00	Mix Design I/DP: \$4,  Den Mean: Grad Key Sieve:	273.73 92.94 No. 8
Mix Design N  AC  Density  Gradation  Mix Design N	f: 12865 No: 105847 Tests 7 15 5 No: 105847 Tests	7-1 P Tons 6494 7494 7494 7-1 P Tons	Plan  7 0404-036  Process No:  PF 1.0  0	Quantity  1 Gradin  Quality Level  76.659  93.614  84.907  2 Gradin	8,042  Tabor to Kip  ng: S  Pay Factor 0.97643 1.03999 1.02570  ng: S  Pay Factor	Price Per Ton: \$  1/DP  (\$1,377.66) \$4,495.80 \$1,155.59  Price Per Ton: \$  1/DP	(\$5,590.82)  n: 6  30.00  Std. Dev. 0.203 0.632 30.00	Mix Design I/DP: \$4,  Den Mean: Grad Key Sieve:	273.73 92.94 No. 8
Mix Design N  AC  Density  Gradation  Mix Design N	f: 12865 No: 105847 Tests 7 15 5 No: 105847 Tests	7-1 P Tons 6494 7494 7-1 P Tons 1000	Plan  7 0404-036  Process No:  PF 1.0  0  Process No:  PF 1.0	Quantity  1 Gradin  Quality Level  76.659  93.614  84.907  2 Gradin	8,042  Tabor to Kip  ng: S  Pay Factor 0.97643 1.03999 1.02570  ng: S  Pay Factor	Price Per Ton: \$  1/DP  (\$1,377.66) \$4,495.80 \$1,155.59  Price Per Ton: \$  1/DP  (\$9,000.00)	(\$5,590.82)  n: 6  30.00  Std. Dev. 0.203 0.632 30.00	Mix Design I/DP: \$4,  Den Mean: Grad Key Sieve:  Mix Design I/DP: (\$9	273.73 92.94 No. 8
Mix Design N  AC  Density  Gradation  AC  Density  AC  Density  Gradation	t: 12865 No: 105847 Tests 7 15 5 No: 105847 Tests 1	7-1 P Tons 6494 7494 7-1 P Tons 1000 0	Plan  7 0404-036  Process No:  PF 1.0  0  Process No:  PF 1.0	Quantity  1 Gradin  Quality Level  76.659  93.614  84.907  2 Gradin	8,042  Tabor to Kip  ng: S  Pay Factor 0.97643 1.03999 1.02570  ng: S  Pay Factor	Price Per Ton: \$  //DP  (\$1,377.66) \$4,495.80 \$1,155.59  Price Per Ton: \$  //DP  (\$9,000.00) \$0.00	(\$5,590.82)  n: 6  30.00  Std. Dev. 0.203 0.632 30.00  Std. Dev.	Den Mean: Grad Key Sieve:  Mix Design I/DP: (\$9  Den Mean:	273.73 92.94 No. 8
Mix Design N  AC  Density  Gradation  Mix Design N  AC  Density	t: 12865 No: 105847 Tests 7 15 5 No: 105847 Tests 1	7-1 P Tons 6494 7494 7-1 P Tons 1000 0	Plan  7 0404-036  Process No:  PF 1.0  0  Process No:  PF 1.0  0	Quantity  1 Gradin  Quality Level  76.659  93.614  84.907  2 Gradin	8,042  Tabor to Kip  ng: S  Pay Factor 0.97643 1.03999 1.02570  ng: S  Pay Factor 0.00000	Price Per Ton: \$  //DP  (\$1,377.66) \$4,495.80 \$1,155.59  Price Per Ton: \$  //DP  (\$9,000.00) \$0.00	(\$5,590.82)  n: 6  30.00  Std. Dev. 0.203 0.632 30.00  Std. Dev.	Den Mean: Grad Key Sieve:  Mix Design I/DP: (\$9  Den Mean:	273.73 92.94 No. 8
Mix Design N  AC  Density  Gradation  AC  Density  AC  Density  Gradation	t: 12865 No: 105847 Tests 7 15 5 No: 105847 Tests 1	7-1 P Tons 6494 7494 7-1 P Tons 1000 0	Plan  1 0404-036  Process No: PF 1.0  0  Process No: PF 1.0  0	Quantity  1 Gradin Quality Level 76.659 93.614 84.907 2 Gradin Quality Level	8,042  Tabor to Kip  ng: S  Pay Factor 0.97643 1.03999 1.02570  ng: S  Pay Factor 0.00000  Tons:	Price Per Ton: \$  //DP  (\$1,377.66) \$4,495.80 \$1,155.59  Price Per Ton: \$  //DP  (\$9,000.00) \$0.00	(\$5,590.82)  n: 6  30.00  Std. Dev. 0.203 0.632 30.00  Std. Dev.	Den Mean: Grad Key Sieve:  Mix Design I/DP: (\$9  Den Mean:	273.73 92.94 No. 8
Mix Design N  AC  Density  Gradation  AC  Density  AC  Density  Gradation	t: 12865 No: 105847 Tests 7 15 5 No: 105847 Tests 1	7-1 P Tons 6494 7494 7-1 P Tons 1000 0	Plan  7 0404-036  Process No: PF 1.0  0  Process No: PF 1.0  0  Asphal	Quantity  1 Gradin Quality Level 76.659 93.614 84.907 2 Gradin Quality Level	8,042  Tabor to Kip  ng: S  Pay Factor 0.97643 1.03999 1.02570  ng: S  Pay Factor 0.00000  Tons: 7,494	Price Per Ton: \$  //DP  (\$1,377.66) \$4,495.80 \$1,155.59  Price Per Ton: \$  //DP  (\$9,000.00) \$0.00	(\$5,590.82)  n: 6  30.00  Std. Dev. 0.203 0.632 30.00  Std. Dev.  I/DP: (\$10,377.66)	Den Mean: Grad Key Sieve:  Mix Design I/DP: (\$9  Den Mean:	273.73 92.94 No. 8

Comments: Single test 2 x V out.

Subaccount:	12963	IM	0252-329	I-25 Bij	ou to Fillm	ore (N Regio	n: 2	Supplier:	49
Mix Design No	: 12963	F	rocess No:	1 Gradir	ng: S	Price Per Ton: \$4	44.97	Mix Design I/DP: \$	23,039.63
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	12	11442		94.136	1.04377	\$6,757.07	0.168		
Density	23	11442	0	99.389	1.05000	\$12,863.67	0.644	Den Mear	n: 93.517
Gradation	6	11442		89.000	1.03322	\$3,418.89		Grad Key Sieve	<b>3/8</b>
Mix Design No	: 12963/	<b>45</b> P	rocess No:	1 Gradir	ng: S	Price Per Ton: \$4	11.95	Mix Design I/DP:	11,664.55
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	8	7390		87.748	1.02209	\$2,054.23	0.139		
Density	15	7390	0	98.188	1.05000	\$7,750.26	0.696	Den Mear	1: 93.367
Gradation	4	7390		88.900	1.03000	\$1,860.06		Grad Key Sieve	: 1/2
		-			Tons:		I/DP:		
Project Totals	s 1296	3	Asphalt	Content	18,832		\$8,811.30		
			Mat	Density	18,832		\$20,613.93		
				radation	18,832		\$5,278.95		
			Dian	Quantity	20,518	Project I/DP:	\$34,704.18		
Comments	i:		Fian	Quantity	20,516	Project #DF.	\$34,7U <del>4</del> .18		
Subaccount:	12001	NIE	0701-154	I-70 B a	4 20 Pd	Dagio	2	Compliant	16
SHUUCCUUNI.	12701	1411	0/01-134	1-/0 B u		Regio		Supplier:	16
Mix Design No:			rocess No:			Price Per Ton: \$7		Mix Design I/DP: \$	4,296.64
	Tests	Tons	PF 1.0	Quality Level	-		Std. Dev.		
AC	5	3597		100.000	1.03000	\$2,266.11	0.118		
Density	8	3597	0	100.000	1.04000	\$5,035.80	0.689	Den Mear	1: 94.237
Gradation	3	3597		57.721	0.94032	(\$3,005.27)		Grad Key Sieve	: No. 4
		_			Tons:		I/DP:		
Project Totals	s 1298	1	Asphalt	Content	3,597		\$2,266.11		
			Mat	Density	3,597		\$5,035.80		
			G	radation	3,597		(\$3,005.27)		
			Plan	Quantity	3,032	Project I/DP:	\$4,296.64		
Comments	:								
Subaccount:	13024	ST	4 0091-01	5 Frisco/I	Breckenridg	ge Regio	n: 1	Supplier:	13
Mix Design No:	: 112654	₽ P	rocess No:	1 Gradin	ng: S	Price Per Ton: \$4	10.31	Mix Design I/DP: (	<b>\$11,154.57</b>
7	Tests	Tons	<b>PF 1.0</b>	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	15	14820		67.554	0.87859	(\$21,756.83)	0.284		
Density	30	14820	0	94.781	1.04317	\$12,893.82	1.054	Den Mear	1: 94.057
Gradation	8	14820		78.842	0.98082	(\$2,291.56)		Grad Key Sieve	: No. 4
					Tons:		I/DP:		
		4	Asnhalt	Content	14,820		(\$21,756.83)		
Project Totals	s 1302	4	Aspilan		-				
Project Totals	s 1302	4	-	Density	14.820		\$12,893.82		
Project Total:	s 1302	4	Mat	Density Gradation	14,820 14.820		\$12,893.82 (\$2,291.56)		
Project Total:	s 1302	4	Mat	Density Gradation Quantity	14,820 14,820 16,700	Project I/DP:	\$12,893.82 (\$2,291.56) (\$11,154.57)		

Subaccount:	13057	ST	4 1494-01	8 Creede -	North	Regio	n: 5	Supplier: 2	0
Mix Design N	lo: 125	P	rocess No:	1 Gradin	ig: SX	Price Per Ton: \$	1.59	Mix Design I/DP: (\$3	3,263.42)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	5	4891		96.199	1.03000	\$1,830.75	0.129		
Density	6	2988	1903	100.000	1.03500	\$2,174.74	0.778	Den Mean:	94.217
Gradation	3	4891		41.559	0.82133	(\$7,268.91)		Grad Key Sleve:	No. 200
Mix Design N	o: 126	Р	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$4	11.59	Mix Design I/DP: \$3	3,355.89
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	42	41389		94.211	1.03598	\$18,578.67	0.138		
Density	83	41389	0	90.096	0.99717	(\$2,436.47)	0.785	Den Mean:	93.008
Gradation	21	41389		98.457	1.05000	\$17,213.69		Grad Key Sleve:	No. 4
u 3 2					Tons:		VDP:		
Project Tota	ils 1305	7	Asphal	t Content	46,280		\$20,409.42		
and the state of t			Ma	t Density	46,280		(\$261.73)		
			(	Gradation	46,280		\$9,944.78		
			Plan	Quantity	44.390	Project I/DP:	\$30,092.47		
Comment	ts:								
Comment		ST	4 0852-08	5 SH 85 -	C 470 Sou	th Regio	n; 1	Supplier: 4	5
	: 13077		4 0852-08			th Regio	Control of the contro	Supplier: 4 Mix Design I/DP: \$1	
Subaccount:	: 13077				ng; S	Price Per Ton: \$	Control of the contro		
Subaccount:	: <i>13077</i> lo: 97313	A P	rocess No:	1 Gradin	ng; S	Price Per Ton: \$	35.00		
Subaccount: Mix Design N	: 13077 lo: 97313 Tests	A P	rocess No:	1 Gradin	ng; S Pay Factor	Price Per Ton: \$	35.00 Std. Dev.		6,565.64
Subaccount: Mix Design N	: 13077 lo: 97313 Tests 10	A P	rocess No: PF 1.0	1 Gradir Quality Level 97.666	ng; S Pay Factor 1.04500	Price Per Ton: \$- VDP \$4,725.00	35.00 Std. Dev. 0.026	Mix Design I/DP: \$1	94.124
Subaccount: Mix Design N AC Density Gradation	: 13077 lo: 97313 Tests 10 21 6	Tons 10000 10572 10572	rocess No: PF 1.0	1 Gradir Quality Level 97.666 99.831 96.476	Pay Factor 1.04500 1.05000 1.03500	Price Per Ton: \$	35.00 Std. Dev. 0.026 0.698	Mix Design I/DP: \$1  Den Mean:	94.124 1/2
Subaccount: Mix Design N AC Density Gradation	: 13077 lo: 97313 Tests 10 21 6	Tons 10000 10572 10572	Process No: PF 1.0	1 Gradin Quality Level 97.666 99.831 96.476	ng; S Pay Factor 1.04500 1.05000 1.03500	Price Per Ton: \$.  VDP \$4,725.00 \$9,250.50 \$2,590.14  Price Per Ton: \$	35.00 Std. Dev. 0.026 0.698	Mix Design I/DP: \$1  Den Mean: Grad Key Sleve:	94.124 1/2
Subaccount: Mix Design N  AC  Density	: 13077 lo: 97313 Tests 10 21 6	A P Tons 10000 10572 10572	Process No:  PF 1.0  0  Process No:	1 Gradir Quality Level 97.666 99.831 96.476	ng; S Pay Factor 1.04500 1.05000 1.03500	Price Per Ton: \$.  VDP \$4,725.00 \$9,250.50 \$2,590.14  Price Per Ton: \$	35.00 Std. Dev. 0.026 0.698 	Mix Design I/DP: \$1  Den Mean: Grad Key Sleve:	94.124 1/2
Subaccount: Mix Design N  AC  Density Gradation  Mix Design N	: 13077 lo: 97313 Tests 10 21 6	A P Tons 10000 10572 10572 A P Tons	Process No:  PF 1.0  0  Process No:	1 Gradir Quality Level 97.666 99.831 96.476	ng; S Pay Factor 1.04500 1.05000 1.03500 ng: S Pay Factor	Price Per Ton: \$-  VDP \$4,725.00 \$9,250.50 \$2,590.14  Price Per Ton: \$-  VDP	35.00 Std. Dev. 0.026 0.698 	Mix Design I/DP: \$1  Den Mean: Grad Key Sleve:	94.124 1/2
Mix Design N  AC  Density  Gradation  Mix Design N  AC	: 13077 lo: 97313 Tests 10 21 6	A P Tons 10000 10572 10572 A P Tons 572	Process No:  O  Process No:  PF 1.0	1 Gradir Quality Level 97.666 99.831 96.476	ng; S Pay Factor 1.04500 1.05000 1.03500 ng: S Pay Factor	Price Per Ton: \$-  VDP \$4,725.00 \$9,250.50 \$2,590.14  Price Per Ton: \$-  VDP \$0.00	35.00 Std. Dev. 0.026 0.698 	Mix Design I/DP: \$1  Den Mean: Grad Key Sleve:  Mix Design I/DP: \$0	94.124 1/2
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density  Gradation	: 13077 lo: 97313 Tests 10 21 6 lo: 97313. Tests 1	A P Tons 10000 10572 10672 A P Tons 572 0	Process No:  O  Process No:  PF 1.0	1 Gradir Quality Level 97.666 99.831 96.476	ng; S Pay Factor 1.04500 1.05000 1.03500 ng: S Pay Factor	Price Per Ton: \$  //DP \$4,725.00 \$9,250.50 \$2,590.14  Price Per Ton: \$  //DP \$0.00 \$0.00	35.00 Std. Dev. 0.026 0.698  35.00 Std. Dev.	Den Mean: Grad Key Sleve; Mix Design I/DP: \$0	94.124 1/2
Mix Design N  AC  Density  Gradation  Mix Design N  AC  Density  Gradation	: 13077 lo: 97313 Tests 10 21 6 lo: 97313. Tests 1	A P Tons 10000 10572 10672 A P Tons 572 0	Process No:  PF 1.0  O  Process No:  PF 1.0  O	1 Gradir Quality Level 97.666 99.831 96.476	ng; S Pay Factor 1.04500 1.05000 1.03500 ng: S Pay Factor 1.00000	Price Per Ton: \$  //DP \$4,725.00 \$9,250.50 \$2,590.14  Price Per Ton: \$  //DP \$0.00 \$0.00	35.00 Std. Dev. 0.026 0.698  35.00 Std. Dev.	Den Mean: Grad Key Sleve; Mix Design I/DP: \$0	94.124 1/2
Mix Design N  AC  Density  Gradation  Mix Design N  AC  Density  Gradation	: 13077 lo: 97313 Tests 10 21 6 lo: 97313. Tests 1	A P Tons 10000 10572 10672 A P Tons 572 0	Process No: PF 1.0  O Process No: PF 1.0  O	1 Gradir Quality Level 97.666 99.831 96.476 2 Gradir Quality Level	ng; S Pay Factor 1.04500 1.05000 1.03500 ng: S Pay Factor 1.00000	Price Per Ton: \$  //DP \$4,725.00 \$9,250.50 \$2,590.14  Price Per Ton: \$  //DP \$0.00 \$0.00	35.00 Std. Dev. 0.026 0.698  35.00 Std. Dev.	Den Mean: Grad Key Sleve; Mix Design I/DP: \$0	94.124 1/2
Mix Design N  AC  Density  Gradation  Mix Design N  AC  Density  Gradation	: 13077 lo: 97313 Tests 10 21 6 lo: 97313. Tests 1	A P Tons 10000 10572 10672 A P Tons 572 0	Process No: PF 1.0  O Process No: PF 1.0  O Asphal	1 Gradin Quality Level 97.666 99.831 96.476 2 Gradin Quality Level	ng; S Pay Factor 1.04500 1.05000 1.03500 ng: S Pay Factor 1.00000  Tons: 10,572	Price Per Ton: \$  //DP \$4,725.00 \$9,250.50 \$2,590.14  Price Per Ton: \$  //DP \$0.00 \$0.00	35.00 Std. Dev. 0.026 0.698  35.00 Std. Dev. I/DP: \$4,725.00	Den Mean: Grad Key Sleve; Mix Design I/DP: \$0	94.124 1/2
Subaccount:  Mix Design N  AC  Density Gradation  Mix Design N  AC  Density	: 13077 lo: 97313 Tests 10 21 6 lo: 97313. Tests 1	A P Tons 10000 10572 10672 A P Tons 572 0	Process No: PF 1.0  O Process No: PF 1.0  O Asphal	1 Gradin Quality Level 97.666 99.831 96.476 2 Gradin Quality Level	ng; S Pay Factor 1.04500 1.05000 1.03500 ng; S Pay Factor 1.00000  Tons: 10,572 10,572	Price Per Ton: \$  //DP \$4,725.00 \$9,250.50 \$2,590.14  Price Per Ton: \$  //DP \$0.00 \$0.00	35.00 Std. Dev. 0.026 0.698  35.00 Std. Dev. I/DP: \$4,725.00 \$9,250.50	Den Mean: Grad Key Sleve; Mix Design I/DP: \$0	94.124 1/2

Subaccount: 13092		STA 0821-057 Glenw			od South	Regio	on: 3	Supplier: 16	
Mix Design N	No: 196	Р	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	34.62	Mix Design I/DP: (\$1,363.01)	
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	1	875			0.85000	(\$1,363.01)			
Density	2	875	0		1.00000	\$0.00		Den Mean: 94.95	
Gradation	1	875			1.00000	\$0.00		Grad Key Sieve:	
Mix Design N	No: 200	Р	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	36.36	Mix Design I/DP: (\$979.81)	
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	20	19976		96.603	1.05000	\$10,895.90	0.148		
Density	41	19976	0	82.088	0.94884	(\$18,582.45)	1.372	Den Mean: 93.412	
Gradation	10	20493		96.032	1.04500	\$6,706.74		Grad Key Sieve: No. 4	
Mix Design I	No: 200A	P	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$	38.47	Mix Design I/DP: (\$3,281.85)	
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	1	517		-	0.45000	(\$3,281.85)			
Density	1	517	0		1.00000	\$0.00		Den Mean:	
Gradation						\$0.00		Grad Key Sieve:	
Mix Design I	No: 200B	Р	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	36.19	Mix Design I/DP: \$12,676.54	
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	9	8145		98.876	1.04000	\$3,537.64	0.129		
Density	17	8145	0	99.997	1.05000	\$7,370.08	0.603	Den Mean: 93.912	
Gradation	5	8145		100.000	1.03000	\$1,768.82	•••-	Grad Key Sieve: All QLs10	
Mix Design I	No: 224	Р	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	32.95	Mix Design I/DP: \$480.12	
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	7	6697		95.732	1.03500	\$2,317.09	0.172		
Density	14	6697	0	93.453	1.03983	\$4,394.42	1.132	Den Mean: 93.871	
Gradation	4	6697		50.833	0.85881	(\$6,231.39)		Grad Key Sieve: No. 8	
Mix Design I	No: 225	P	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	35.64	Mix Design I/DP: \$7,017.88	
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	9	8584		97.197	1.04000	\$3,670.92	0.151		
Density	18	8584	0	90.043	1.02028	\$3,102.17	0.980	Den Mean: 93.25	
Gradation	5	8584		79.067	1.00400	\$244.79		Grad Key Sieve: No. 4	
					Tons:		I/DP:		
Project Tot	als 1309	2	Asphal	It Content	44,794		\$15,776.69		
-			•	t Density	44,794		(\$3,715.78)		
				Gradation	44,794		\$2,488.96		
			,		,		,		

Subaccouni	: 13104	NH	R300-07	0 Grand J	ct Various	Locs Region	n: 3	Supplier: 16
Mix Design N	lo: 202	Р	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$4	11.95	Mix Design I/DP: \$51,456.26
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	32	30767		95.310	1.04583	\$17,747.66	0.153	
Density	62	30767	0	94.210	1.03223	\$20,801.51	0.876	Den Mean: 93.376
Gradation	16	30767		96.454	1.05000	\$12,907.09		Grad Key Sieve: No. 8
Mix Design N	lo: 202L	Р	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$4	12.21	Mix Design I/DP: \$1,146.78
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	4	3019		85.378	1.03000	\$1,146.78	0.226	
Density		0	0			\$0.00		Den Mean:
Gradation	2	3019			1.00000	\$0.00		Grad Key Sieve:
Mix Design N	lo: WCT	6043 P	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$4	12.07	Mix Design I/DP: \$4,339.88
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	4	3765		82.980	1.02934	\$1,394.33	0.241	
Density	8	3765	0	91.731	1.03719	\$2,945.55	1.240	Den Mean: 94.138
Gradation	2	3765				\$0.00		Grad Key Sieve:
					Tons:		I/DP:	
Project Tota	als 1310	14	Asphal	t Content	37,551		\$20,288.77	
. roject z om								
roject ron			Ma	t Density	34,532		\$23,747.06	
roject 1000				t Density Gradation	34,532 37,551		\$23,747.06 \$12,907.09	
rojeci zu.			(	•	-	Project I/DP:	\$23,747.06 \$12,907.09 \$56,942.92	
•		ensity te	(	Gradation Quantity	37,551	Project I/DP:	\$12,907.09	
•	its: No D		Plan	Gradation Quantity	37,551		\$12,907.09 \$56,942.92	Supplier: 30
Commen	nts: No D	ST	Plan sts MD 202	Gradation Quantity L 27 Kit Cars	37,551 40,657 son I-70 to a		\$12,907.09 \$56,942.92 n: 1	Supplier: 30 Mix Design I/DP: \$80,559.08
Commen Subaccount	nts: No D	ST	Plan sts MD 202 4 059A-02	Gradation Quantity L 27 Kit Cars	37,551 40,657 Son I-70 to 1	SH 59 Regio	\$12,907.09 \$56,942.92 n: 1	
Commen Subaccount	its: No D	<i>ST</i> 2	Plan sts MD 202 4 059A-02 rocess No:	Gradation Quantity 27 Kit Cars 1 Gradin	37,551 40,657 Son I-70 to 1	SH 59 Regio	\$12,907.09 \$56,942.92 <b>n:</b> 1	Mix Design I/DP: \$80,559.08
Comment Subaccount Mix Design N	its: No Discussion of the control of	ST2	Plan sts MD 202 4 059A-02 rocess No:	Gradation Quantity 27 Kit Cars 1 Gradir Quality Level	37,551 40,657 Son I-70 to ang: S Pay Factor	SH 59 Region Price Per Ton: \$3	\$12,907.09 \$56,942.92 <i>n: 1</i> 30.00 Std. Dev.	
Comment Subaccount Mix Design N	ts: No D t: 13165 No: 12267 Tests 62	ST2 6 P Tons 61605	Plan sts MD 202 4 059A-02 rocess No: PF 1.0	Quantity 2.7 Kit Cars 1 Gradir Quality Level 99.185	37,551 40,657 <i>son I-70 to s</i> ng: S <b>Pay Factor</b> 1.05500	SH 59 Region Price Per Ton: \$3 I/DP \$30,494.47	\$12,907.09 \$56,942.92 n: 1 30.00 Std. Dev. 0.111	Mix Design I/DP: \$80,559.08
Comment Subaccount Mix Design N AC Density	ts: No D t: 13165 No: 12267 Tests 62 125 31	ST2 6 P Tons 61605 61205 61605	Plan sts MD 202 4 059A-02 rocess No: PF 1.0	Quantity 2.7 Kit Cars 1 Gradir Quality Level 99.185 94.952 96.081	37,551 40,657 son I-70 to a ng: S Pay Factor 1.05500 1.03404 1.05090	SH 59 Region Price Per Ton: \$3 I/DP \$30,494.47 \$31,250.89	\$12,907.09 \$56,942.92 m: 1 30.00 Std. Dev. 0.111 0.978	Mix Design I/DP: \$80,559.08  Den Mean: 93.682
Comment Subaccount Mix Design N AC Density Gradation	ts: No D t: 13165 No: 12267 Tests 62 125 31	ST2 6 P Tons 61605 61205 61605	Plan sts MD 202 4 059A-02 rocess No: PF 1.0	Quantity 27 Kit Cars 1 Gradir Quality Level 99.185 94.952 96.081	37,551 40,657 son I-70 to a ng: S Pay Factor 1.05500 1.03404 1.05090 ng: S	SH 59 Region  Price Per Ton: \$3  I/DP  \$30,494.47  \$31,250.89  \$18,813.72  Price Per Ton: \$3	\$12,907.09 \$56,942.92 m: 1 30.00 Std. Dev. 0.111 0.978	Mix Design I/DP: \$80,559.08  Den Mean: 93.682  Grad Key Sieve: No. 4
Comment Subaccount Mix Design N AC Density Gradation	ts: No D 1: 13165 No: 12267 Tests 62 125 31 No: 12267	ST2 6 P Tons 61605 61205 61605	Plan sts MD 202 4 059A-02 rocess No: PF 1.0 0	Quantity 27 Kit Cars 1 Gradir Quality Level 99.185 94.952 96.081 2 Gradir	37,551 40,657 son I-70 to a ng: S Pay Factor 1.05500 1.03404 1.05090 ng: S	SH 59 Region  Price Per Ton: \$3  I/DP  \$30,494.47  \$31,250.89  \$18,813.72  Price Per Ton: \$3	\$12,907.09 \$56,942.92 n: 1 30.00 Std. Dev. 0.111 0.978 	Den Mean: 93.682 Grad Key Sieve: No. 4
Comment Subaccount Mix Design N AC Density Gradation	ts: No D 1: 13165 No: 12267 Tests 62 125 31 No: 12267	ST2 6 P Tons 61605 61205 61605	Plan sts MD 202 4 059A-02 rocess No: PF 1.0 0	Quantity 27 Kit Cars 1 Gradir Quality Level 99.185 94.952 96.081 2 Gradir	37,551 40,657 son I-70 to a ng: S Pay Factor 1.05500 1.03404 1.05090 ng: S	SH 59 Region  Price Per Ton: \$3  I/DP  \$30,494.47  \$31,250.89  \$18,813.72  Price Per Ton: \$3  I/DP	\$12,907.09 \$56,942.92 n: 1 30.00 Std. Dev. 0.111 0.978 	Mix Design I/DP: \$80,559.08  Den Mean: 93.682  Grad Key Sieve: No. 4
Comment Subaccount Mix Design N AC Density Gradation Mix Design N	ts: No D 1: 13165 No: 12267 Tests 62 125 31 No: 12267	STA 6 P Tons 61605 61205 61605 6 P Tons	Plan ests MD 202 A 059A-02 Process No: PF 1.0 0 Process No: PF 1.0	Quantity 27 Kit Cars 1 Gradir Quality Level 99.185 94.952 96.081 2 Gradir	37,551 40,657 son I-70 to a ng: S Pay Factor 1.05500 1.03404 1.05090 ng: S Pay Factor	SH 59 Region Price Per Ton: \$3 I/DP \$30,494.47 \$31,250.89 \$18,813.72 Price Per Ton: \$3 I/DP \$0.00	\$12,907.09 \$56,942.92 n: 1 30.00 Std. Dev. 0.111 0.978 	Den Mean: 93.682 Grad Key Sieve: No. 4
Comment Subaccount Mix Design N AC Density Gradation Mix Design N AC Density	ts: No D 1: 13165 No: 12267 Tests 62 125 31 No: 12267	STA 6 P Tons 61605 61205 61605 6 P Tons	Plan ests MD 202 A 059A-02 Process No: PF 1.0 0 Process No: PF 1.0	Quantity 27 Kit Cars 1 Gradir Quality Level 99.185 94.952 96.081 2 Gradir	37,551 40,657 son I-70 to a ng: S Pay Factor 1.05500 1.03404 1.05090 ng: S Pay Factor	SH 59 Region  Price Per Ton: \$3  I/DP  \$30,494.47  \$31,250.89  \$18,813.72  Price Per Ton: \$3  I/DP  \$0.00  (\$3,409.08)	\$12,907.09 \$56,942.92 n: 1 30.00 Std. Dev. 0.111 0.978  30.00 Std. Dev.	Mix Design I/DP: \$80,559.08  Den Mean: 93.682 Grad Key Sieve: No. 4  Mix Design I/DP: (\$3,409.08)  Den Mean:
Comment Subaccount Mix Design N AC Density Gradation Mix Design N AC Density	ts: No D 1: 13165 No: 12267 Tests 62 125 31 No: 12267 Tests	STA 6 P Tons 61605 61205 61605 6 P Tons 400	Plan ests MD 202 4 059A-02 Process No: PF 1.0 0 Process No: PF 1.0 0	Quantity 27 Kit Cars 1 Gradir Quality Level 99.185 94.952 96.081 2 Gradir	37,551 40,657 son I-70 to a ng: S Pay Factor 1.05500 1.03404 1.05090 ng: S Pay Factor 0.43182	SH 59 Region  Price Per Ton: \$3  I/DP  \$30,494.47  \$31,250.89  \$18,813.72  Price Per Ton: \$3  I/DP  \$0.00  (\$3,409.08)	\$12,907.09 \$56,942.92 n: 1 30.00 Std. Dev. 0.111 0.978  30.00 Std. Dev.	Mix Design I/DP: \$80,559.08  Den Mean: 93.682 Grad Key Sieve: No. 4  Mix Design I/DP: (\$3,409.08)  Den Mean:
Comment Subaccount Mix Design N AC Density Gradation AC Density Gradation	ts: No D 1: 13165 No: 12267 Tests 62 125 31 No: 12267 Tests	STA 6 P Tons 61605 61205 61605 6 P Tons 400	Plan sts MD 202 4 059A-02 rocess No: PF 1.0 0 Process No: PF 1.0 0	Quantity 27 Kit Cars 1 Gradir Quality Level 99.185 94.952 96.081 2 Gradir Quality Level	37,551 40,657 son I-70 to a ng: S Pay Factor 1.05500 1.03404 1.05090 ng: S Pay Factor 0.43182	SH 59 Region  Price Per Ton: \$3  I/DP  \$30,494.47  \$31,250.89  \$18,813.72  Price Per Ton: \$3  I/DP  \$0.00  (\$3,409.08)	\$12,907.09 \$56,942.92 n: 1 30.00 Std. Dev. 0.111 0.978  30.00 Std. Dev.	Mix Design I/DP: \$80,559.08  Den Mean: 93.682 Grad Key Sieve: No. 4  Mix Design I/DP: (\$3,409.08)  Den Mean:
Comment Subaccount Mix Design N AC Density Gradation AC Density Gradation	ts: No D 1: 13165 No: 12267 Tests 62 125 31 No: 12267 Tests	STA 6 P Tons 61605 61205 61605 6 P Tons 400	Plan sts MD 202 4 059A-02 rocess No: PF 1.0 0 Process No: PF 1.0 0 Asphal	Quantity  27 Kit Cars  1 Gradir  Quality Level 99.185 94.952 96.081  2 Gradir  Quality Level	37,551 40,657 son I-70 to a ng: S Pay Factor 1.05500 1.03404 1.05090 ng: S Pay Factor 0.43182	SH 59 Region  Price Per Ton: \$3  I/DP  \$30,494.47  \$31,250.89  \$18,813.72  Price Per Ton: \$3  I/DP  \$0.00  (\$3,409.08)	\$12,907.09 \$56,942.92 n: 1 30.00 Std. Dev. 0.111 0.978  30.00 Std. Dev.  I/DP: \$30,494.47	Mix Design I/DP: \$80,559.08  Den Mean: 93.682 Grad Key Sieve: No. 4  Mix Design I/DP: (\$3,409.08)  Den Mean:

Comments: 1 test 2xV out.

Subaccount: 13185		NH	I 0505-03	6 RR Ove	RR Overpass to Arkansa Region: 2			Supplier: 17	
Mix Design I	No: 125	F	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	38.64	Mix Design I/DP: \$9,183.24	
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	9	7353		84.413	1.00441	\$375.52	0.208		
Density	15	7353	0	96.553	1.05000	\$7,103.00	0.992	Den Mean: 93.827	
Gradation	5	7353		87.987	1.03000	\$1,704.72		Grad Key Sieve: No. 8	
Mix Design N	No: 141	P	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	45.36	Mix Design I/DP: (\$16,080.37	
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	14	11613		67.540	0.88303	(\$18,484.83)	0.247		
Density	24	11613	0	86.689	0.99513	(\$1,282.90)	1.256	Den Mean: 94.487	
Gradation	7	11613		92.756	1.03500	\$3,687.36		Grad Key Sieve: No. 4	
					Tons:		I/DP:		
Project Tot	als 1318	3 <i>5</i>	Asphal	t Content	18,966		(\$18,109.31)		
			Ma	t Density	18,966		\$5,820.10		
			(	Gradation	18,966		\$5,392.08		
			Pian	Quantity	17.237	Project I/DP:	(\$6.897.13)		
Commer	nts:		Pian	Quantity	17,237	Project I/DP:	(\$6,897.13)		
Commer	nts: 		Plan	Quantity	17,237	Project I/DP:	(\$6,897.13)		
Commer Subaccount		NH	Plan I 0243-062		17,237  Powers	Project I/DP:		Supplier: 49	
	t: 13240			? Platte &	Powers		n: 2		
Subaccoun	t: 13240		I 0243-062	? Platte &	Powers	Regio	n: 2	Supplier: 49	
Subaccoun	t: 13240	1192 F	1 0243-062 Process No:	2 Platte &	Powers	Regio	n: 2 39.10	Supplier: 49	
Subaccount Mix Design N	t: 13240	I192 F	1 0243-062 Process No:	2 Platte &	Powers ng: S Pay Factor	Regio Price Per Ton: \$	n: 2 39.10 Std. Dev.	Supplier: 49	
Subaccount Mix Design N	t: 13240 No: SCH 1 Tests 12	1192 F Tons 11445	7 0243-062 Process No: PF 1.0	2 Platte & 1 Gradir Quality Level 87.608	e Powers  ng: S  Pay Factor 1.01467	Regio Price Per Ton: \$: I/DP \$1,969.66	n: 2 39.10 Std. Dev. 0.188	Supplier: 49 Mix Design I/DP: (\$1,542.09)	
Subaccount Mix Design N AC Density	t: 13240 No: SCH 7 Tests 12 23 7	Tons 11445 11445 11445	7 0243-062 Process No: PF 1.0	Platte & 1 Gradir Quality Level 87.608 85.283 80.033	Powers  ng: S  Pay Factor 1.01467 0.98691 0.99350	Regio Price Per Ton: \$: //DP \$1,969.66 (\$2,929.80)	n: 2 39.10 Std. Dev. 0.188 1.075	Supplier: 49  Mix Design I/DP: (\$1,542.09)  Den Mean: 93.135	
Mix Design N  AC  Density  Gradation	t: 13240 No: SCH 7 Tests 12 23 7	Tons 11445 11445 11445	Process No: PF 1.0	Platte & 1 Gradir Quality Level 87.608 85.283 80.033	Powers  ng: S  Pay Factor 1.01467 0.98691 0.99350  ng: S	Regio Price Per Ton: \$	n: 2 39.10 Std. Dev. 0.188 1.075	Supplier: 49  Mix Design I/DP: (\$1,542.09)  Den Mean: 93.135  Grad Key Sleve: No. 8	
Mix Design N  AC  Density  Gradation	t: 13240 No: SCH 7 Tests 12 23 7 No: SCH1	Tons 11445 11445 11445 11922 F	Process No:  PF 1.0  0  Process No:	Platte & 1 Gradir Quality Level 87.608 85.283 80.033	Powers  ng: S  Pay Factor 1.01467 0.98691 0.99350  ng: S	Regio Price Per Ton: \$	n: 2 39.10 Std. Dev. 0.188 1.075	Supplier: 49  Mix Design I/DP: (\$1,542.09)  Den Mean: 93.135  Grad Key Sleve: No. 8	
Mix Design N  AC  Density  Gradation  Mix Design N	t: 13240 No: SCH 7 Tests 12 23 7 No: SCH1 Tests	Tons 11445 11445 11445 11445 1922 F	Process No:  PF 1.0  0  Process No:	2	Powers  ng: S  Pay Factor 1.01467 0.98691 0.99350  ng: S  Pay Factor	Regio Price Per Ton: \$	n: 2 39.10 Std. Dev. 0.188 1.075 33.55 Std. Dev.	Supplier: 49  Mix Design I/DP: (\$1,542.09)  Den Mean: 93.135  Grad Key Sleve: No. 8	
Mix Design N  AC  Density  Gradation  Mix Design N	t: 13240 No: SCH 7 Tests 12 23 7 No: SCH1 Tests 32	Tons 11445 11445 11445 11445 1922 F Tons 31319	7 0243-062 Process No:  PF 1.0  O  Process No:  PF 1.0	Platte & 1 Gradir Quality Level 87.608 85.283 80.033 1 Gradir Quality Level 94.402	Powers  ng: S  Pay Factor 1.01467 0.98691 0.99350  ng: S  Pay Factor 1.04011	Regio Price Per Ton: \$	n: 2 39.10 Std. Dev. 0.188 1.075 33.55 Std. Dev. 0.155	Supplier: 49  Mix Design I/DP: (\$1,542.09)  Den Mean: 93.135 Grad Key Sleve: No. 8  Mix Design I/DP: \$36,544.51	
Mix Design	t: 13240 No: SCH 7 Tests 12 23 7 No: SCH1 Tests 32 63 16	1192 F Tons 11445 11445 11445 1922 F Tons 31319 31319 31319	7 0243-062 Process No:  PF 1.0  O  Process No:  PF 1.0	Platte & 1 Gradir Quality Level 87.608 85.283 80.033 1 Gradir Quality Level 94.402 94.037	Powers  ng: S  Pay Factor 1.01467 0.98691 0.99350  ng: S  Pay Factor 1.04011 1.03073	Regio Price Per Ton: \$.  I/DP \$1,969.66 (\$2,929.80) (\$581.95)  Price Per Ton: \$.  I/DP \$12,643.03 \$16,147.29	n: 2  39.10  Std. Dev. 0.188 1.075 33.55  Std. Dev. 0.155 0.907	Supplier: 49  Mix Design I/DP: (\$1,542.09)  Den Mean: 93.135 Grad Key Sleve: No. 8  Mix Design I/DP: \$36,544.51  Den Mean: 93.417	
Mix Design	t: 13240 No: SCH 7 Tests 12 23 7 No: SCH1 Tests 32 63 16	1192 F Tons 11445 11445 11445 1922 F Tons 31319 31319 31319	7 0243-062 Process No: PF 1.0 0 Process No: PF 1.0 0	Platte & 1 Gradir Quality Level 87.608 85.283 80.033 1 Gradir Quality Level 94.402 94.037	Powers  ng: S  Pay Factor 1.01467 0.98691 0.99350  ng: S  Pay Factor 1.04011 1.03073 1.03690	Regio Price Per Ton: \$.  I/DP \$1,969.66 (\$2,929.80) (\$581.95)  Price Per Ton: \$.  I/DP \$12,643.03 \$16,147.29	n: 2  39.10  Std. Dev. 0.188 1.075 33.55  Std. Dev. 0.155 0.907	Supplier: 49  Mix Design I/DP: (\$1,542.09)  Den Mean: 93.135 Grad Key Sleve: No. 8  Mix Design I/DP: \$36,544.51  Den Mean: 93.417	
Mix Design N  AC  Density  Gradation  Mix Design N  AC  Density	t: 13240 No: SCH 7 Tests 12 23 7 No: SCH1 Tests 32 63 16	1192 F Tons 11445 11445 11445 1922 F Tons 31319 31319 31319	7 0243-062 Process No: PF 1.0 0 Process No: PF 1.0 0	Platte & 1 Gradir Quality Level 87.608 85.283 80.033 1 Gradir Quality Level 94.402 94.037 93.010	reg: S Pay Factor 1.01467 0.98691 0.99350 rg: S Pay Factor 1.04011 1.03073 1.03690 Tons:	Regio Price Per Ton: \$.  I/DP \$1,969.66 (\$2,929.80) (\$581.95)  Price Per Ton: \$.  I/DP \$12,643.03 \$16,147.29	n: 2 39.10 Std. Dev. 0.188 1.075 33.55 Std. Dev. 0.155 0.907 I/DP:	Supplier: 49  Mix Design I/DP: (\$1,542.09)  Den Mean: 93.135 Grad Key Sleve: No. 8  Mix Design I/DP: \$36,544.51  Den Mean: 93.417	
Mix Design	t: 13240 No: SCH 7 Tests 12 23 7 No: SCH1 Tests 32 63 16	1192 F Tons 11445 11445 11445 1922 F Tons 31319 31319 31319	Process No: PF 1.0  Orocess No: PF 1.0  O  Asphal	Platte & 1 Gradir Quality Level 87.608 85.283 80.033 1 Gradir Quality Level 94.402 94.037 93.010	rg: S Pay Factor 1.01467 0.98691 0.99350 rg: S Pay Factor 1.04011 1.03073 1.03690 Tons: 42,764	Regio Price Per Ton: \$.  I/DP \$1,969.66 (\$2,929.80) (\$581.95)  Price Per Ton: \$.  I/DP \$12,643.03 \$16,147.29	n: 2  39.10  Std. Dev. 0.188 1.075 33.55  Std. Dev. 0.155 0.907 I/DP: \$14,612.69	Supplier: 49  Mix Design I/DP: (\$1,542.09)  Den Mean: 93.135 Grad Key Sleve: No. 8  Mix Design I/DP: \$36,544.51  Den Mean: 93.417	

Subaccount:	13255	NH	T 2854-084	Fairplay	v N/S	Regio	on: 1	Supplier: 17
Mix Design No:	: 103597	' P	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	33.20	Mix Design I/DP: (\$13,963.72
-	<b>Tests</b>	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	8	7609		70.276	0.93136	(\$5,201.95)	0.279	
Density	17	8609	0	94.267	1.04288	\$6,128.13	1.097	Den Mean: 93.959
Gradation	4	8609		37.090	0.73952	(\$14,889.90)		Grad Key Sieve: 1/2
Mix Design No:	: 103597	' Р	rocess No:	2 Gradir	ng: SX	Price Per Ton: \$	33.20	Mix Design I/DP: (\$9,960.00)
7	<b>Fests</b>	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	1	1000			0.00000	(\$9,960.00)		
Density		0	0			\$0.00		Den Mean:
Gradation						\$0.00		Grad Key Sieve:
Mix Design No	: 103597	'A P	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	33.20	Mix Design I/DP: \$11,974.46
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	12	11888		87.862	1.01590	\$1,882.95	0.189	
Density	26	12888	0	93.064	1.03411	\$7,297.63	1.067	Den Mean: 93.646
Gradation	7	12888		89.389	1.03265	\$2,793.88		Grad Key Sieve: 1/2
Mix Design No	: 103597	'A P	rocess No:	2 Gradin	ng: SX	Price Per Ton: \$	33.20	Mix Design I/DP: (\$6,349.50)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.	
AC	1	1000			0.36250	(\$6,349.50)		
Density		0	0			\$0.00		Den Mean:
Gradation						\$0.00		Grad Key Sieve:
					Tons:		I/DP:	
Project Total:	s 1325.	5	Asphal	t Content	21,497		(\$19,628.50)	
			Ma	t Density	21,497		\$13,425.76	
			(	Gradation	21,497		(\$12,096.02)	
			Plan	Quantity	21,133	Project I/DP:	(\$18,298.76)	
Comments	: 2 test	s 2 x V	out					
Subaccount:	13386	CI	603-017	US 160	Sierra Gra	nde H Regio	on: 5	Supplier: 18
Mix Design No	: 138	F	rocess No:	1 Gradii	ng: SX	Price Per Ton: \$	47.50	Mix Design I/DP: \$1,004.71
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	r I/DP	Std. Dev.	
AC	5	4611	-	97.068	1.03000	\$1,971.20	0.111	
Density	9	4111	500	83.689	1.00094	\$91.62	1.308	Den Mean: 93.333
Gradation	3	4611		64.255	0.97584	(\$1,058.11)		Grad Key Sieve: No. 30
					Tons:		I/DP:	
Project Total	s 1338	6	Asphal	t Content	4,611		\$1,971.20	
-			Ma	t Density	4,611		\$91.62	
				-			/64 OE0 44\	
			(	Gradation	4,611		(\$1,058.11)	
				Gradation Quantity	4,611 4,172	Project I/DP:		

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Subaccount:	13556	ST	<i>A 0402-062</i>	? Jct 134	to Taberna	sh Regio	n: 3	Supplier: 20
Mix Design No	o: 265	P	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	33.98	Mix Design I/DP: \$4,296.52
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	8	6462		90.785	1.03379	\$2,226.10	0.148	
Density	4	2334	0	88.776	1.03000	\$1,189.68	0.838	Den Mean: 92.975
Gradation ————	3	6462		75.513	1.02005	\$880.74		Grad Key Sieve: No. 4
					Tons:		I/DP:	
Project Tota	ls 1355	0	Asphalt	Content	6,462		\$2,226.10	
			Mat	Density	2,334		\$1,189.68	
			G	radation	6,462		\$880.74	
			Plan (	Quantity	66,756	Project I/DP:	\$4,296.52	
Comment	s: Missi	ng densi	ity tests. Fin	al quant. 60,00	00 tons less t	han Plan.		
ubaccount:	92054	BR	F 002-1(01	8) SH 2 at	UPRR and	Smit Regio	n: 6	Supplier: 10
Mix Design No	o: 10586	2-1 P	rocess No:		•	Price Per Ton: \$	39.40	Mix Design I/DP: \$3,713.82
	Tests	Tons	PF 1.0	Quality Level	-		Std. Dev.	
AC	8	7539		99.914	1.04000	\$3,564.44	0.123	
Density	14	7039	0	83.307	0.98822	(\$1,632.84)	1.173	Den Mean: 93.15
Gradation	4	7539		98.425	1.03000	\$1,782.22		Grad Key Sieve: No. 4
Mix Design No	o: 10586	2-1 P	rocess No:	2 Gradir	ng: S	Price Per Ton: \$	39.40	Mix Design I/DP: (\$7,163.61
	Tests	Tons	PF 1.0	Quality Level	Pay Factor		Std. Dev.	
AC			_			\$0.00		D
Density	1	500	0		0.27273	(\$7,163.61)		Den Mean:
Gradation						\$0.00		Grad Key Sieve:
Mix Design No	o: 10589	4 P	rocess No:		_	Price Per Ton: \$		Mix Design I/DP: (\$10,373.8
	Tests	Tons	PF 1.0	Quality Level	Pay Factor		Std. Dev.	
AC	7	7287		62.785	0.88980	(\$9,491.63)	0.145	
Density	15	7287	0	86.974	1.00671	\$963.74	1.317	Den Mean: 93.693
Gradation	4	7287		67.817	0.96785	(\$1,845.98)		Grad Key Sieve: No. 4
					Tons:		I/DP:	
Project Tota	ls 9205	4	Asphalt	Content	14,826		(\$5,927.19)	
			Mat	Density	14,826		(\$7,832.71)	
			G	radation	14,826		(\$63.76)	)
			Plan (	Quantity	13,319	Project I/DP:	(\$13,823.66)	
Comment	s: Singl	e test 2	x V out.	-				
Subaccount:	92911	IM	0252-214	I-25 @	Colfax	Regio	n: 6	Supplier: 45
Mix Design N	o: 10586	9 P	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	56.16	Mix Design I/DP: \$13,013.84
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	13	11721		87.123	1.01070	\$2,113.65	0.107	
Density	23	11721	0	92.556	1.03209	\$10,562.05	0.863	Den Mean: 93.23
Gradation	6	11721		80.819	1.00257	\$338.14		Grad Key Sieve: No. 8
					Tons:		I/DP:	
Project Tota	ls 9291	11	Asphalt	Content	11,721		\$2,113.65	
-				Density	11,721		\$10,562.05	
				radation	11,721		\$338.14	
			Plan	Quantity	13,782	Project I/DP:	\$13,013.84	
Comment	te-		-	•	-	-		
Commen								

Totals for all Projects Projects with Bid Dates from 1/1/00 to 12/31/00.

Number of Processes: 98

Tons: I/DP:

Asphalt Content 905,343 \$107,111.43

Mat Density 883,064 \$165,808.58

Gradation 901,906 (\$18,883.33)

Total I/DP: \$254,036.68

### Calculated Pay Factor Composite and I/DP by Region

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/00.

Negative ID/Ps;

Projects with Plan Quantities from 0 to 200000 tons.

PFC is back calculated from the Project's I/DP.

A Calculated Average Unit Price is used in the calculation.

Region	1 1								
Subacct.	Bid Date	Project Code	Reg.	Grading	Total	Average Price	Pay Factor Composite	Project I/DP	Supplier
13077	05/11/00	STA 0852-085		S	10,572	\$35.00	1.04477	\$16,565.64	45
13165	12/21/00	STA 059A-02		s	61,605	\$30.00	1.04174	\$77,150.01	30
12362	07/20/00	STA 086A-03	1	s	16,000	\$41.00	1.03730	\$22,940.43	14
11543	06/15/00	STA 3851-012	1	s	11,753	\$51.00	1.02921	\$17,510.95	61
11848	08/10/00	NH 2854-068	1	s	22,000	\$45.79	1.02000	\$20,150.97	41
13024	01/06/00	STA 0091-015	1	S	14,820	\$40.31	0.98133	(\$11,154.57)	13
13255	12/07/00	NH 2854-084	1	sx	21,497	\$33.20	0.97436	(\$18,298.76)	17
11849	05/04/00	IM 0704-184	1	SX	4,222	\$42.42	0.91509	(\$15,206.30)	45
Region	1	Number of Pro	jects:	8	CPFC:	Maximum:	1.04477		
		Total 1	Tons:	162,469		Minimum:	0.91509		
						Average:	1.00547		
		Incentiv	/e/Disi	incentive l	Payments	3	Sum I/DPs:	\$109,658.37	
		F	ositiv	e ID/Ps:	5		Maximum:	\$77,150.01	

Region	n 2								
Subacct.	Bid Date	Project Code	Reg.	Grading	Total Tons	Average Price	Pay Factor Composite	Project I/DP	Supplier
12963	01/20/00	IM 0252-329	2	s	18,832	\$43.78	1.04209	\$34,704.18	49
12598	03/23/00	STA 1604-005	2	S	40,822	\$37.50	1.03020	\$46,225.48	14
13240	04/20/00	NH 0243-062	2	S	42,764	\$35.04	1.02336	\$35,002.42	49
12583	01/27/00	IM 0251-155	2	S	17,655	\$43.05	1.01025	\$7,790.15	32
11581	04/27/00	BR 067A-008	2	S	13,290	\$40.00	1.00557	\$2,961.28	17
13185	04/06/00	NH 0505-036	2	s	18,966	\$42.75	0.99149	(\$6,897.13)	17
12858	08/24/00	NH 0851-003	2	s	8,040	\$47.35	0.98531	(\$5,590.82)	44
12632	01/13/00	STA 1151-010	2	s	2,731	\$47.20	0.98214	(\$2,302.11)	49
11959	01/13/00	STA 0242-026	2	s	33,353	\$39.00	0.96448	(\$46,207.36)	49
11861	03/09/00	BR 067A-010	2	S	3,675	\$42.00	0.81968	(\$27,832.65)	44
Region	2	Number of Pro	jects:	10	CPFC:	Maximum:	1.04209		
_		Total 1	Tons:	200,128		Minimum:	0.81968		
						Average:	0.98546		
		Incentiv	ve/Disi	ncentive F	Payments		Sum I/DPs:	\$37,853.44	
		F	Positiv	e ID/Ps:	5		Maximum:	\$46,225.48	
		N	egativ	e ID/Ps:	5		Minimum:	(\$46,207.36)	
						A	Average IDP:	\$3,785.34	

Region	ı 3								<del>-</del> .
Subacct.	Bid Date	Project Code	Reg.	Grading	Total Tons	Average Price	Pay Factor Composite	Project I/DP	Supplier
12018	09/14/00	STR 131A-02	3	SX	23,204	\$45.55	1.04569	\$48,296.09	21
12733	01/20/00	NH 0402-057	3	sx	34,351	\$38.40	1.03926	\$51,791.95	21
13104	05/11/00	NH R300-070	3	SX	37,551	\$41.98	1.03612	\$56,942.92	16
11805	07/13/00	BR 006A-028	3	sx	2,133	\$72.14	1.02628	\$4,043.85	16
12732	01/27/00	NH 0501-042	3	sx	28,590	\$35.71	1.02592	\$26,460.14	16
13556	12/21/00	STA 0402-062	3	SX	6,462	\$33.98	1.01957	\$4,296.52	20
12981	06/29/00	NH 0701-154	3	sx	3,597	\$70.00	1.01706	\$4,296.64	16
12153	10/26/00	NHS 0501-03	3	SMA	58,543	\$39.65	1.01138	\$26,411.26	16
13092	06/22/00	STA 0821-057	3	SX	44,794	\$35.67	1.00911	\$14,549.86	16
12735	01/20/00	STA 0131-040	3	sx	34,752	\$30.40	1.00590	\$6,230.05	29
12737	05/18/00	PLH-FH 065A	3	sx	24,790	\$54.64	0.99368	(\$8,567.29)	20
12271	04/06/00	SP 0821-053	3	sx	30,674	\$50.68	0.99241	(\$11,804.81)	16
12238	12/14/00	NH 0702-217	3	SX	74,888	\$56.50	0.96192	(\$161,120.55)	31
Region	3	Number of Pro	jects:	13	CPFC:	Maximum:	1.04569		
		Total 1	Tons:	404,329		Minimum:	0.96192		
						Average:	1.01418		
		Incentiv	/e/Disi	ncentive P	ayments		Sum I/DPs:	\$61,826.63	· · · · · · · · · · · · · · · · · · ·
		F	Positiv	e ID/Ps:	10		Maximum:	\$56,942.92	
		N	egativ	e ID/Ps:	3		Minimum:	(\$161,120.55)	
						A	Average IDP:	\$4,755.89	
Region	n 4								
Subacct.		Project Code	Reg.	Grading	Total Tons	Average Price	Pay Factor Composite	Project I/DP	Supplier
12644	10/26/00	IM 0762-041	4	S	25,499	\$48.57	0.99692	(\$3,851.44)	60
Region	4	Number of Pro	jects:	1	CPFC:	Maximum	0.99692		
		Total '	Tons:	25,499		Minimum	0.99692		
						Average	0.99692		
							Sum I/DPs:	(\$3,851.44)	
		Incenti	ve/Dis	incentive F	ayments-		Julii I/Di J.	(40,001.11)	
				incentive F e <i>ID/Ps:</i>	-				
		ı	Positiv	incentive i e ID/Ps: e ID/Ps:	ayments 0 1		Maximum: Minimum:	(\$3,851.44)	

Region	1 3				Total	Average	Pay Factor		
Subacct.	Bid Date	Project Code	Reg.	Grading	Tons	Price	Composite	Project I/DP	Supplier
13057	01/27/00	STA 149A-01	5	SX	46,280	\$41.59	1.01563	\$30,092.47	20
13386	07/27/00	C 1603-017	5	SX	4,611	\$47.50	1.00459	\$1,004.72	18
Region	5	Number of Pro	ects:	2	CPFC:	Maximum:	1.01563		
		Total 1	ons:	50,891		Minimum:	1.00459		
						Average:	1.01011		
		Incentiv	e/Disi	ncentive P	ayments		Sum I/DPs:	\$31,097.19	
		P	ositive	D/Ps:	2		Maximum:	\$30,092.47	
		N	egative	e ID/Ps:	0		Minimum:	\$1,004.72	
						A	verage IDP:	\$15,548.60	
Region	1 6								
Subacct.		Project Code	Reg.	Grading	Total Tons	Average Price	Pay Factor Composite	Project I/DP	Supplier
92911	08/17/00	IM 0252-214	6	s	11,721	\$56.16	1.01977	\$13,013.84	45
12056	08/31/00	IMB 0761-172	6	s	16,000	\$42.00	1.01019	\$6,845.76	41
11911	11/30/00	STU C100-01	6	S	11,986	\$38.00	0.99569	(\$1,965.20)	33
12865	04/20/00	NH 0404-036	6	S	7,494	\$30.00	0.97898	(\$4,726.27)	33
92054	09/21/00	BRF 002-1(01	6	S	14,826	\$39.40	0.97634	(\$13,823.66)	10
Region	6	Number of Pro	ects:	5	CPFC:	Maximum:	1.01977		
		Total 1	ons:	62,027		Minimum:	0.97634		
						Average:	0.99619		
		Incentiv	/e/Disi	ncentive P	ayments		Sum I/DPs:	(\$655.53)	
		F	ositive	e ID/Ps:	2		Maximum;	\$13,013.84	
		N	egative	e ID/Ps:	3		Minimum:	(\$13,823.66)	
							Average IDP:	(\$131.11)	
Statewi	de Total	!s: 1/1/00	to 12/	31/00.	Plan Q	uantities 0	to 200000 to	ns.	
		Number of Proj	ects:	39	CPFC	Maximum:	1.04569		
		Total To				Minimum:	0.81968		
						Average:	1.00207		
		Incentiv	e/Disi	ncentive P	ayments		Sum I/DPs:	\$235,928.66	
		P	ositive	e ID/Ps:	24		Maximum:	\$77,150.01	
		N	egative	e ID/Ps:	15		Minimum:	(\$161,120.55)	
						A	verage IDP:	\$6,049.45	

# Asphalt Content - Process Information

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/00.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

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Bid Date	Subacct.	Region	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.
08/10/00	11848	1	19014	S	\$45.79	129786	1	4000	4	100.000	1.03000	0.096
01/27/00	12583	2	17609	S	\$41.00	107229E	1	2474	3	100.000	1.02500	0.025
10/26/00	12644	4	22546	S	\$47.15	26301A	1	3142	3	100.000	1.02500	0.046
08/24/00	12858	2	8042	S	\$54.00	152		2097	5	100.000	1.03000	0.101
09/21/00	92054	6	13319	S	\$39.40	105862-1		7539	8	99.914	1.04000	0.123
03/23/00	12598	2	42375	S	\$37.50	124	1	15000	15	99.869	1.05000	0.111
12/21/00	13165	1	62570	S	\$30.00	122676	1	61605	62	99.185	1.05500	0.111
07/20/00	12362	1	34474	S	\$41.00	121095	1	16000	16	98.961	1.05000	0.081
08/31/00	12056	6	14366	S	\$42.00	105863	1	16000	16	98.663	1.05000	0.129
05/11/00	13077	1	9372	S	\$35.00	97313A	1	10000	10	97.666	1.04500	0.026
03/23/00	12598	2	42375	S	\$37.50	124-B	1	25822	26	95.152	1.04670	0.155
04/20/00	13240	2	37749	S	\$33.55	H119228	1	31319	32	94.402	1.04011	0.155
01/20/00	12963	2	20518	S	\$44.97	12963	1	11442	12	94.136	1.04377	0.168
06/15/00	11543	1	10912	S	\$51.00	85810-1	1	11753	12	93.655	1.04181	0.147
10/26/00	12644	4	22546	S	\$47.15	26301B	1	18566	19	92.666	1.03416	0.160
08/10/00	11848	1	19014	S	\$45.79	139783-1	1	18000	18	90.843	1.02470	0.179
01/27/00	12583	2	17609	S	\$41.00	184	1	6781	7	89.718	1.03380	0.104
01/20/00	12963	2	20518	S	\$41.95	12963A5	1	7390	8	87.748	1.02209	0.139
04/20/00	13240	2	37749	S	\$39.10	119228A	1	11445	12	87.608	1.01467	0.188
08/17/00	92911	6	13782	S	\$56.16	105869	1	11721	13	87.123	1.01070	0.107
04/06/00	13185	2	17237	S	\$38.64	125	1	7353	9	84.413	1.00441	0.208
01/13/00	11959	2	30699	S	\$39.00	119228A	1	32353	33	83.648	0.96649	0.216
04/27/00	11581	2	12536	S	\$40.00	93629	1	13290	13	80.017	0.97149	0.198
11/30/00	11911	6	11936	S	\$38.00	105881	1	11986	11	77.609	0.96308	0.223
04/20/00	12865	6	7477	S	\$30.00	105847-1	1	6494	7	76.659	0.97643	0.203
01/06/00	13024		16700	S	\$40.31	112654	1	14820	15	67.554	0.87859	0.284
04/06/00	13185	2	17237	S	\$45.36	141	1	11613	14	67.540	0.88303	0.247
09/21/00	92054	6	13319	S	\$39.40	105894	1	7287	7	62.785	0.88980	0.145
08/24/00	12858	2	8042	S	\$45.00	151	1	5943	6	61.689	0.89423	0.114
10/26/00	12644	4	22546	s	\$61.26	55702A	1	2573	3	57.120	0.93669	0.333
01/27/00	12583	2	17609	S	\$41.00	T106500	1	4374	5	56.533	0.87694	0.315
01/13/00	12632	2	2234	S	\$47.20	100527	1	2731	3	49.069	0.88214	0.396
03/09/00	11861	2	3600	S	\$42.00	31318	1	3675	5	44.871	0.78416	0.194

Totals Grading: S				Quality Level	Pay Factor	St. Dev.	
Number of Processes:	33	Total Tons: 416,588	Maximum:	100.000	1.05500	0.396	
			Minimum:	44.871	0.78416	0.025	
			Weighted Average:	88.866	1.00864	0.158	

Gradin	g: SMA											
Bid Date	Subacct.	Region	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev
10/26/00	12153	3	58296	SM	\$48.03	306	1	5958	7	78.705	0.98697	0.242
10/26/00	12153	3	58296	SM	\$48.53	291A	1	11075	10	70.682	0.92325	0.163
Totals	Grading	: SMA								Quality Level	Pay Factor	St. Dev.
	Number o	f Process	es: 2	Tota	al Tons:	17,033		Max	dmum:	78.705	0.98697	0.242
								Mir	nimum:	70.682	0.92325	0.163
							We	ighted A	verage:	73.488	0.94554	0.191

Grading: SX

Bid Date	Subacct.	Region	Plan Quant.	Gradir	ng Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.
07/13/00	11805	3	1942	SX	\$72.14	Г 601101	1	2133	3	100.000	1.02500	0.080
01/27/00	12732	3	27930	SX	\$36.46	184	1	12041	13	100.000	1.04500	0.050
01/27/00	12732	3	27930	SX	\$31.99	172	1	3886	4	100.000	1.03000	0.111
01/20/00	12735	3	24686	SX	\$28.36	194A	1	5438	6	100.000	1.03500	0.051
06/29/00	12981	3	3032	SX	\$70.00	217	1	3597	5	100.000	1.03000	0.118
01/20/00	12733	3	36553	SX	\$33.92	<b>NCT 103</b>	1	9796	12	99.838	1.04500	0.088
09/14/00	12018	3	19124	SX	\$45.55	244	1	23204	24	99.758	1.05000	0.104
05/18/00	12737	3	24568	SX	\$54.64	227	1	18597	19	99.719	1.05000	0.112
01/20/00	12733	3	36553	SX	\$40.24	/CT103B	1	21992	23	99.518	1.05000	0.082
04/06/00	12271	3	27140	SX	\$53.74	211A	1	12203	12	99.004	1.04500	0.132
06/22/00	13092	3	40294	SX	\$36.19	200B	1	8145	9	98.876	1.04000	0.129
10/26/00	12153	3	58296	SX	\$36.53	295	1	5195	5	98.246	1.03000	0.093
06/22/00	13092	3	40294	SX	\$35.64	225	1	8584	9	97.197	1.04000	0.151
07/27/00	13386	5	4172	SX	\$47.50	138	1	4611	5	97.068	1.03000	0.111
06/22/00	13092	3	40294	SX	\$36.36	200	1	19976	20	96.603	1.05000	0.148
01/27/00	13057	5	44390	SX	\$41.59	125	1	4891	5	96.199	1.03000	0.129
06/22/00	13092	3	40294	SX	\$32.95	224	1	6697	7	95.732	1.03500	0.172
05/11/00	13104	3	40657	SX	\$41.95	202	1	30767	32	95.310	1.04583	0.153
12/14/00	12238	3	98733	SX	\$62.00	99994	1	11311	23	95.297	1.04783	0.155
01/20/00	12735	3	24686	SX	\$28.70	193A	1	7194	6	95.039	1.03500	0.174
01/27/00	13057	5	44390	SX	\$41.59	126	1	41389	42	94.211	1.03598	0.138
12/21/00	13556	3	66756	SX	\$33.98	265	1	6462	8	90.785	1.03379	0.148
10/26/00	12153	3	58296	SX	\$36.15	298	1	23983	24	89.254	1.01152	0.188
12/14/00	12238	3	98733	SX	\$62.00	99996	1	4871	10	88.884	1.02327	0.190
04/06/00	12271	3	27140	SX	\$47.91	220	1	16016	18	88.521	1.01169	0.194
12/14/00	12238	3	98733	SX	\$62.00	99995A	1	10638	10	88.040	1.01957	0.190
12/07/00	13255		21133	SX	\$33.20	103597A		11888	12	87.862	1.01590	0.189
01/20/00	12735	3	24686	SX	\$30.87	203-A	1	19042	19	86.876	1.00077	0.104
12/14/00	12238	3	98733	SX	\$44.00	270	1	22885	30	86.570	0.98954	0.187
05/11/00	13104	3	40657	SX	\$42.21	202L	1	3019	4	85.378	1.03000	0.226
12/14/00	12238	3	98733	SX	\$62.00	99995	1	25183	50	84.225	0.96063	0.183
05/18/00	12737	3	24568	SX	\$54.64	219	1	6193	6	82.998	1.01165	0.229
05/11/00	13104	3	40657	SX	\$42.07	Г 604300	1	3765	4	82.980	1.02934	0.241
01/27/00	12732	3	27930	SX	\$36.13	178	1	12663	13	81.290	0.97897	0.139
05/04/00	11849	1	8161	SX	\$42.42	109758	1	4222	7	78.967	0.98827	0.240
10/26/00	12153	3	58296	SX	\$35.26	259	1	8315	8	77.249	0.97235	0.210
12/07/00	13255	1	21133	SX	\$33.20	103597	1	7609	8	70.276	0.93136	0.279
10/26/00	12153	3	58296	SX	\$35.42	293B	1	3095	3	51.883	0.90246	0.358

Totals Grading: SX				Quality Level	Pay Factor	St. Dev.
Number of Processes: 3	38	Total Tons: 451,496	Maximum:	100.000	1.05000	0.358
			Minimum:	51.883	0.90246	
			Weighted Average:	92.107	1.02238	

Asphalt Content - Totals	1/1/00 to 12/31/00.
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Plan Quantities from 0 to 200000 tons.

				Quality Level	Pay Factor	St. Dev.
Number of Processes:	73	Total Tons: 885,117	Maximum:	100.000	1.05500	0.396
			Minimum:	44.871	0.78416	0.025
			Weighted Average:	90.223	1.01444	0.154

### Asphalt Content - Recap by Region

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/00.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Weighted average used for: Price, Pay Factor, St. Dev., and Quality Level

Grading:	S							Q	uality Level	
		Processes	Tons	Tests	Price	Pay Factor	St. Dev.	Avg.	High	Low
	Region: 1	7	136,178	137	\$37.14	1.02860	0.132	94.049	100.000	67.554
	Region: 2	17	195,102	208	\$39.37	0.99655	0.177	86.072	100.000	44.871
	Region: 4	3	24,281	25	\$48.65	1.02265	0.164	89.848	100.000	57.120
	Region: 6	6	61,027	62	\$42.03	0.99719	0.152	85.840	99.914	62.785
•	Totals: S	33	416,588	432	\$39.57	1.00864	0.158	88.866	100.000	44.871
Grading:	SMA							Q	uality Level	
		Processes	Tons	Tests	Price	Pay Factor	St. Dev.	Avg.	High	Low
	Region: 3	2	17,033	17	\$48.36	0.94554	0.191	73.488	78.705	70.682
•	Totals: SMA	2	17,033	17	\$48.36	0.94554	0.191	73.488	78.705	70.682
Grading:	SX							Q	tuality Level	
Ü		Processes	Tons	Tests	Price	Pay Factor	St. Dev.	Avg.	High	Low
	Region: 1	3	23,719	27	\$34.84	0.98386	0.227	80.637	87.862	70.276
	Region: 3	32	376,886	439	\$43.68	1.02312	0.147	92.484	100.000	51.883
	Region: 5	3	50,891	52	\$42.13	1.03486	0.135	94.661	97.068	94.211
10	Totals: SX	38	451,496	518	\$43.04	1.02238	0.150	92.107	100.000	51.883
Statewide	Totals								Quality Level	
	-	Processes	Tons	Tests	Price	Pay Factor	St. Dev.	Avg.	High	Low
		73	885,117	967	\$41.51	1.01444	0.154	90.223	100.000	44.871

## Mat Density - Process Information

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/00.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

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Bid Date	Subacct.	Reg.	Plan Quant.	Grading	g Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.	Mean
01/27/00	12583	2	17609	s	\$50.00	07230C	1	1262	3	100.000	1.02500	0.577	92.67
01/27/00	12583	2	17609	S	\$50.00	06500A	1	1103	3	100.000	1.02500	1.012	94.53
07/20/00	12362	1	34474	S	\$41.00	121095	1	14000	28	99.933	1.05500	0.633	93.88
05/11/00	13077	1	9372	S	\$35.00	97313A		10572	21	99.831	1.05000	0.698	94.12
08/10/00	11848	1	19014	S	\$45.79	129786	1	4000	8	99.432	1.04000	0.648	93.33
01/20/00	12963	2	20518	S	\$44.97	12963	1	11442	23	99.389	1.05000	0.644	93.52
01/20/00	12963	2	20518	S	\$41.95	12963A5	1	7390	15	98.188	1.05000	0.696	93.37
04/06/00	13185	2	17237	S	\$38.64	125	1	7353	15	96.553	1.05000	0.992	93.83
03/23/00	12598	2	42375	S	\$37.50	124-B	1	25822	51	96.028	1.04720	0.795	93.38
12/21/00	13165	1	62570	S	\$30.00	122676	1	61205	125	94.952	1.03404	0.978	93.68
01/27/00	12583	2	17609	S	\$41.00	184	1	6781	14	94.921	1.04500	1.076	94.12
01/06/00	13024		16700	S	\$40.31	112654	1	14820	30	94.781	1.04317	1.054	94.06
10/26/00	12644	4	22546	S	\$47.15	56702	1	1218	4	94.381	1.03000	0.976	93.3
01/27/00	12583	2	17609	S	\$41.00	Γ106500	1	4374	9	94.260	1.04000	1.124	93.78
03/09/00	11861	2	3600	S	\$42.00	31318	1	3675	10	94.104	1.04415	0.554	92.83
04/20/00	13240	2	37749	S	\$33.55	1119228	1	31319	63	94.037	1.03073	0.907	93.42
08/10/00	11848	1	19014	S	\$45.79	39783-1	1	17000	34	94.018	1.03692	0.736	93.13
01/13/00	12632	2	2234	S	\$47.20	100527	1	2731	6	93.759	1.03500	1.181	93.68
04/20/00	12865	6	7477	S	\$30.00	05847-1	1	7494	15	93.614	1.03999	0.632	92.94
08/17/00	92911	6	13782	S	\$56.16	105869	1	11721	23	92.556	1.03209	0.863	93.23
06/15/00	11543	1	10912	S	\$51.00	85810-1	1	11753	24	90.696	1.02046	1.044	93.39
10/26/00	12644	4	22546	S	\$61,26	55702A	. 1	2573	6	90.642	1.03500	0.787	93
08/24/00	12858	2	8042	S	\$45.00	151		5943	12	88.890	1.02081	0.965	93.17
11/30/00	11911	6	11936	S	\$38.00	105881	1	11986	25	87.497	0.99952	0.565	92.65
09/21/00	92054	6	13319	S	\$39.40	105894	1	7287	15	86.974	1.00671	1.317	93.69
04/06/00	13185	2	17237	S	\$45.36	141	1	11613	24	86.689	0.99513	1.256	94.49
01/13/00	11959	2	30699	S	\$39.00	19228A	. 1	32853	66	85.736	0.96505	1.055	93.14
04/20/00	13240	2	37749	S	\$39.10	19228A	1	11445	23	85.283	0.98691	1.075	93.14
08/31/00	12056	6	14366	S	\$42.00	105863	1	16000	32	84.628	0.97437	1.138	93.18
09/21/00	92054	6	13319	S	\$39.40	05862-1	1	7039	14	83.307	0.98822	1.173	93.15
03/23/00	12598	2	42375	S	\$37.50	124	. 1	15500	31	82.629	0.96091	0.641	92.60
01/27/00	12583	2	17609	S	\$50.00	195	1	1661	4	80.812	1.02262	1.623	93.5
08/24/00	12858	2	8042	S	\$54.00	152	1	2097	10	79.215	0.97541	1.219	93.01
01/27/00	12583	2	17609	S	\$41.00	07229E	1	2474	5	73.301	0.97804	0.894	92.6

Gradin	g: S												
Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.	Mean
Totals -	Gradin	g: S							_	Quality Level	Pay Factor	St. Dev.	Mean
Numb	per of Proc	esses:	34	Total	Tons:	385,506		Maxir	num:	100.000	1.05500	1.623	94.533
								Minir	num:	73.301	0.96091	0.554	92.600
							Weight	ted Ave	rage:	92.015	1.02019	0.915	93.432
Gradin	g: SMA												
Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.	Mean
10/26/00	40450												
10/26/00	12153	3	58296	SMA	\$48.53	291A	1	11075	22	93.324	1.03686	0.939	95.61
10/26/00	12153	3	58296 58296		\$48.53 \$48.03	291A 306	1	11075 5958	22 12	93.324 86.544	1.03686 1.00943	0.939 1.170	95.61 94.31
10/26/00		3	58296										
10/26/00 Totals -	12153	3 g: Sh	58296 <b>M</b> A	SMA					12	86.544 Quality	1.00943 Pay	1.170	94.31
10/26/00 Totals -	12153 - Gradin	3 g: Sh	58296 <b>M</b> A	SMA	\$48.03	306		5958 Maxii	12	86.544 Quality Level	1.00943 Pay Factor	1.170 St. Dev.	94.31 Mean

Grading:	SX
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Bid Date	Subacct.	Reg.	Plan Quant.	Gradi	ng Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.	Mean
01/20/00	12733	3	36553	SX	\$39.80	CT 103A	1	2563	3	100.000	1.02500	0.300	92.5
01/20/00	12735	3	24686	SX	\$35.59	198A	1	1437	3	100.000	1.02500	0.600	93.8
01/20/00	12735	3	24686	SX	\$34.60	199-A	1	1641	6	100.000	1.03500	0.729	93.75
06/29/00	12981	3	3032	SX	\$70.00	217	1	3597	8	100.000	1.04000	0.689	94.24
01/27/00	13057	5	44390	SX	\$41.59	125	1	2988	6	100.000	1.03500	0.778	94.22
06/22/00	13092	3	40294	SX	\$36.19	200B		8145	17	99.997	1.05000	0.603	93.91
10/26/00	12153	3	58296	SX	\$36.53	295	1	5195	10	99.962	1.04500	0.630	93.58
10/26/00	12153	3	58296	SX	\$35.26	259	1	8315	17	99.948	1.05000	0.597	94.34
01/20/00	12735	3	24686	SX	\$30.87	203-A		19042	35	99.620	1.05500	0.680	93.74
10/26/00	12153	3	58296	SX	\$35.42	293B	1	3095	6	99.456	1.03500	0.652	93.22
01/27/00	12732	3	27930	SX	\$36.13	178	1	12663	26	99.195	1.05500	0.801	93.95
01/27/00	12732	3	27930	SX	\$36.46	184	1	12041	25	98.879	1.05000	0.779	93.71
04/06/00	12271	3	27140	SX	\$53.74	211A	1	12203	24	98.472	1.05000	0.520	93.08
09/14/00	12018	3	19124	SX	\$45.55	244	1	23204	47	97.812	1.05500	0.734	93.46
10/26/00	12153	3	58296	SX	\$36.15	298	1	23983	48	97.346	1.05500	0.829	93.6
01/20/00	12733	3	36553	SX	\$40.24	CT103B	1	21992	49	96.507	1.05077	0.776	93.39
12/07/00	13255	1	21133	SX	\$33.20	103597	1	8609	17	94.267	1.04288	1.097	93.96
05/11/00	13104	3	40657	SX	\$41.95	202	1	30767	62	94.210	1.03223	0.876	93.38
06/22/00	13092	3	40294	SX	\$32.95	224	1	6697	14	93.453	1.03983	1.132	93.87
12/07/00	13255	1	21133	SX	\$33.20	03597A	1	12888	26	93.064	1.03411	1.067	93.65
07/13/00	11805	3	1942	SX	\$72.14	601101	1	2133	8	91.836	1.03756	1.094	93.48
05/11/00	13104	3	40657	SX	\$42.07	604300	1	3765	8	91.731	1.03719	1.240	94.14
01/27/00	13057	5	44390	SX	\$41.59	126	1	41389	83	90.096	0.99717	0.785	93.01
06/22/00	13092	3	40294	SX	\$35.64	225	1	8584	18	90.043	1.02028	0.980	93.25
05/18/00	12737	3	24568	SX	\$54.64	227		18597	38	89.815	1.00664	1.220	93.80
12/21/00	13556	3	66756	SX	\$33.98	265	1	2334	4	88.776	1.03000	0.838	92.98
12/14/00	12238	3	98733	SX	\$62.00	99995	1	25183	49	88.584	0.99392	1.220	93.63
07/27/00	13386	5	4172	SX	\$47.50	138	1	4111	9	83.689	1.00094	1.308	93.33
04/06/00	12271	3	27140	SX	\$47.91	220	1	16016	33	83.168	0.96301	1.033	93
06/22/00	13092	3	40294	SX	\$36.36	200	1	19976	41	82.088	0.94884	1.372	93.41
12/14/00	12238	3	98733	SX	\$62.00	99994	1	11311	21	80.252	0.95557	1.062	94.99
12/14/00	12238	3	98733	sx	\$44.00	270	1	22885	38	78.281	0.92115	1.473	93.32
12/14/00	12238	3	98733	sx	\$62.00	99996		4566	6	77.957	0.98963	1.118	93.92
04/06/00	12271	3	27140	sx	\$53.51	211	1	2455	5	71.694	0.97000	1.125	92.7
05/04/00	11849	1	8161		\$42.42	109758	1	4136	12	58.793	0.83781	1.768	92.46
12/14/00	12238	3	98733		\$62.00	99995A	1	10078	18	57.865	0.78583	1.270	93.29

Grading	g: SX												
Bid Date S	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.	Mean
Totals -	Gradin	g: SX	K							Quality Level	Pay Factor	St. Dev.	
Numbe	er of Proc	esses:	36	Total	Tons:	418,584		Maxi	mum:	100.000	1.05500	1.768	94.990
								Mini	mum:	57.865	0.78583	0.300	92.456
							Weight	ted Ave	erage:	90.848	1.00897	0.955	93.518
Mat Dei	nsity - T	Totals	1/1/0	00 to 12/3	31/0 P	lan Quan	tities fror	n Oto	2000	00 tons.			
									•	Quality Level	Pay Factor	St. Dev.	
Numb	er of Proc	esses:	72	Total	Tons:	821,123		Maxi	mum:	100.000	1.05500	1.768	95.605
								Mini	mum:	57.865	0.78583	0.300	92.456
							Weigh	ted Ave	erage:	91.398	1.01462	0.937	

### Mat Density - Recap by Region

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/00.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Weighted average used for: Price, Pay Factor, St. Dev., Mean, and Quality Level

Grading: S								Qu	ality Level	
	Processes	Total Tons	Tests	Price	Pay Factor	St. Dev.	Mean	Avg.	High	Low
Region 1	7	133,350	270	\$37.03	1.03787	0.893	93.67	95.483	99.933	90.696
Region 2	19	186,838	387	\$39.55	1.01275	0.925	93.37	90.892	100.000	73.301
Region 4	2	3,791	10	\$56.73	1.03339	0.848	93.10	91.843	94.381	90.642
Region 6	6	61,527	124	\$41.85	1.00367	0.938	93.12	87.918	93.614	83.307
Totals: S	34	385,506	791	\$39.21	1.02019	0.915	93.43	92.015	100.000	73.301
Grading: SMA								Qı	ality Level	
	Processes	Total Tons	Tests	Price	Pay Factor	St. Dev.	Mean	Avg.	High	Low
Region 3	2	17,033	34	\$48.36	1.02727	1.020	95.15	90.952	93.324	86.544
Totals: SM	<i>AA</i> 2	17,033	34	\$48.36	1.02727	1.020	95.15	90.952	93.324	86.544
Grading: SX				_	_			Qu	uality Level	
J	Processes	Total Tons	Tests	Price	Pay Factor	St. Dev.	Mean	Avg.	High	Low
Region 1	3	25,633	55	\$34.69	1.00538	1.190	93.56	87.938	94.267	58.793
Region 3	30	344,463	687	\$44.49	1.01053	0.955	93.57	91.161	100.000	57.865
Region 5	3	48,488	98	\$42.09	0.99982	0.829	93.11	90.163	100.000	83.689
Totals: SX	K 36	418,584	840	\$43.61	1.00897	0.955	93.52	90.848	100.000	57.865
Statewide Totals	S Processes	Total s Tons	Tests	Price	Pay Factor	St. Dev.	Mean	Avg.	High	Low
	72	821,123	1,665	\$41.65	1.01462	0.937	93.51	91.398	100.000	57.865

### **Gradation - Process Information**

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/00.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

#### Grading: S

19/21/00   29.54   6	Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix I Design	Process No.	Tons	Tests	Quality Level	Pay Factor	Key Sieve
100   100	08/24/00	12858	2	8042	s	\$45.00	151	1	5943	3	100.000	1.02500	All QLs100
12/21/00 13165	09/21/00	92054	6	13319	S	\$39.40	05862-1	1	7539	4	98.425	1.03000	No. 4
101/20/100 12963 2 20518 S 341.95 12963A5 1 11442 6 89.000 1.03000 1/2.  101/20/100 13185 2 17237 S 38.64 125 1 114753 6 88.688 1.03221 No. 4.  101/20/100 13185 2 17237 S 38.64 125 1 7390 4 88.900 1.03000 1/2.  101/20/100 13185 2 17237 S 38.64 125 1 114753 6 88.688 1.03221 No. 4.  101/20/100 13185 2 17237 S 38.64 125 1 7390 4 88.900 1.03000 1/2.  101/20/100 13240 2 37749 S 333.50 119228 1 11442 6 89.000 1.03322 3/2.  101/20/100 12963 2 20518 S 344.97 12963 1 11442 6 89.000 1.03322 3/2.  101/20/100 13185 2 17237 S 38.64 125 1 7390 4 88.900 1.03000 1/2.  101/20/100 13185 2 17237 S 38.64 125 1 7390 4 88.900 1.03000 1/2.  101/20/100 13185 2 17237 S 38.64 125 1 7390 4 88.900 1.03000 1/2.  101/20/100 13185 2 17237 S 38.64 125 1 7390 4 88.900 1.03000 1/2.  101/20/100 13185 2 17237 S 38.64 125 1 7393 5 87.987 1.03000 No. 4.  101/20/100 13185 2 17237 S 38.64 125 1 7393 5 87.987 1.03000 No. 6.  101/13/100 13185 2 338.00 138.64 125 1 7353 5 87.987 1.03000 No. 6.  101/13/100 13185 2 338.00 138	05/11/00	13077	1	9372	S	\$35.00	97313A	1	10572	6	96.476	1.03500	1/2
03/23/00 12598	12/21/00	13165	1	62570	S	\$30.00	122676	1	61605	31	96.081	1.05090	No. 4
04/27/00 11581 2 12536 S \$40.00 93629 13290 7 93.781 1.03500 1/2 08/31/00 12056 6 14366 S \$42.00 105863 1 16000 8 93.214 1.04000 No. 2 04/20/00 13240 2 37749 S \$33.55 1119228 1 31319 16 93.010 1.03690 No. 20 04/06/00 13185 2 17237 S \$45.36 141 1 11613 7 92.756 1.03500 No. 2 04/06/00 12963 2 20518 S \$44.97 12963 1 11442 6 89.000 1.03322 3/6 01/20/00 12963 2 20518 S \$44.97 12963 1 11442 6 89.000 1.03322 3/6 01/20/00 12963 2 20518 S \$44.97 12963 1 11442 6 89.000 1.03000 1/2 06/15/00 11543 1 10912 S \$51.00 85810-1 1 11753 6 88.688 1.03221 No. 4 04/06/00 13185 2 17237 S \$38.64 125 1 7353 5 87.987 1.03000 No. 8 01/13/00 11959 2 30699 S \$39.00 119228A 33353 17 86.490 1.00125 1/2 04/20/00 12865 6 7477 S \$30.00 05847-1 1 7494 5 84.907 1.02570 No. 8 04/20/00 13240 2 37749 S \$56.16 105869 1 11721 6 80.819 1.00257 No. 8 04/20/00 13040 2 37749 S \$39.10 119228A 1 11445 7 80.033 0.99350 No. 8 04/20/00 13040 2 37749 S \$39.10 119228A 1 11445 7 80.033 0.99350 No. 8 04/20/00 13262 1 34474 S \$41.00 12095 1 14800 8 78.842 0.98082 No. 4 07/20/00 12863 2 17609 S \$41.00 12095 1 14000 7 76.694 0.97662 No. 20 08/10/00 13024 1 16700 S \$40.31 112654 1 14820 8 78.842 0.98082 No. 4 08/10/00 13024 1 16700 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 20 08/10/00 12864 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/6 08/10/00 12888 2 8042 S \$54.00 152 1 2097 3 61.629 0.9636 No. 20 08/10/00 12888 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20 08/10/00 12888 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20 08/10/00 12864 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 08/24/00 12858 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20 08/10/00 12864 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 08/24/00 12844 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 08/24/00 12844 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 08/24/00 12844 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30	03/23/00	12598	2	42375	S	\$37.50	124	1	14000	7	95.217	1.03500	No. 4
08/31/00         12056         6         14366         S         \$42.00         105863         1         16000         8         93.214         1.04000         No. 20           04/20/00         13240         2         37749         S         \$33.55         1119228         1         31319         16         93.010         1.03690         No. 20           04/06/00         13185         2         17237         S         \$45.36         141         1         11613         7         92.756         1.03500         No. 20           11/30/00         11911         6         11936         S         \$38.00         105881         1         11986         6         91.713         1.03500         1/2           01/20/00         12963         2         20518         S         \$44.97         12963         1         11442         6         89.000         1.03322         3/2           01/20/00         12963         2         20518         S         \$41.95         12963A5         1         7390         4         88.900         1.03000         1/2           06/15/00         13185         2         17237         S         \$38.64         125         1	03/23/00	12598	2	42375	S	\$37.50	124-B	1	26822	14	95.101	1.04500	1/2
04/20/00 13240 2 37749 S \$33.55 1119228 1 31319 16 93.010 1.03690 No. 20/20/00 13185 2 17237 S \$45.36 1411 1 11613 7 92.756 1.03500 No. 20/20/00 12963 2 20518 S \$44.97 12963 1 11442 6 89.000 1.03322 3/20/20/00 12963 2 20518 S \$44.97 12963 1 11442 6 89.000 1.03322 3/20/20/00 12963 2 20518 S \$44.97 12963 1 11442 6 89.000 1.03322 3/20/20/00 12963 2 20518 S \$41.95 12963A5 1 7390 4 88.900 1.03000 1/20/20/20 11543 1 10912 S \$51.00 85810-1 1 11753 6 88.688 1.03221 No. 4 0.04/20/20 13185 2 17237 S \$38.64 125 1 7353 5 87.987 1.03000 No. 8 0.04/20/20 11959 2 30699 S \$39.00 119228A 33353 17 86.490 1.00125 1/20/20/20 12865 6 7477 S \$30.00 05847-1 1 7494 5 84.907 1.02570 No. 8 0.04/20/20 12865 6 7477 S \$30.00 05847-1 1 7494 5 84.907 1.02570 No. 8 0.04/20/20 13240 2 37749 S \$39.10 119228A 1 11445 7 80.033 0.99350 No. 8 0.04/20/20 12583 2 17609 S \$41.00 184 1 6781 4 79.704 1.01892 No. 4 0.04/20/20 12665 1 34474 S \$41.00 184 1 6781 4 79.704 1.01892 No. 4 0.04/20/20 12662 1 34474 S \$41.00 121095 1 14820 8 78.842 0.98082 No. 4 0.04/20/20 12664 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/20/20/20 12683 2 17609 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 20/20/20/20 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/20/20/20 12583 2 17609 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 20/20/20/20 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/20/20/20/20 12583 2 17609 S \$41.00 12095 1 14000 7 76.694 0.97662 No. 20/20/20/20 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/20/20/20/20 12583 2 17609 S \$41.00 12095 1 14000 7 76.694 0.97662 No. 20/20/20/20 12684 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/20/20/20 12583 2 17609 S \$41.00 150500 1 4374 3 66.667 0.98713 No. 30/20/20/20/20 12583 2 17609 S \$41.00 150500 1 4374 3 66.667 0.98713 No. 30/20/20/20 12583 2 17609 S \$41.00 150500 1 4374 3 66.667 0.98713 No. 30/20/20/20 12583 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20/20/20/20 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/20/20/20 12644 4 22546 S \$47.15 26301B 1 5106 3	04/27/00	11581	2	12536	S	\$40.00	93629		13290	7	93.781	1.03500	1/2
04/06/00 13185	08/31/00	12056	6	14366	S	\$42.00	105863	1	16000	8	93.214	1.04000	No. 4
11/30/00 11911 6 11936 S \$38.00 105881 1 11986 6 91.713 1.03500 1/2 01/20/00 12963 2 20518 S \$44.97 12963 1 11442 6 89.000 1.03322 3/8 01/20/00 12963 2 20518 S \$41.95 12963A5 1 7390 4 88.900 1.03000 1/2 06/15/00 11543 1 10912 S \$51.00 85810-1 1 11753 6 88.688 1.03221 No. 4 04/06/00 13185 2 17237 S \$38.64 125 1 7353 5 87.987 1.03000 No. 6 04/20/00 12965 6 7477 S \$30.00 05847-1 1 7494 5 84.907 1.02570 No. 6 04/20/00 12865 6 7477 S \$30.00 05847-1 1 7494 5 84.907 1.02570 No. 6 04/20/00 13240 2 37749 S \$39.10 19228A 1 11721 6 80.819 1.00257 No. 6 04/20/00 13240 2 37749 S \$39.10 19228A 1 11445 7 80.033 0.99350 No. 6 04/20/00 12583 2 17609 S \$41.00 184 1 6781 4 79.704 1.01892 No. 4 07/20/00 12362 1 34474 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 20 08/10/00 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/8 08/10/00 11848 1 19014 S \$45.79 39783-1 1 16000 8 76.159 0.96636 No. 20 08/10/10 12583 2 17609 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 20 08/10/00 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/8 08/10/00 11848 1 19014 S \$45.79 39783-1 1 16000 8 76.159 0.96636 No. 20 08/10/00 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/8 08/10/00 12685 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20 08/10/00 12684 4 22546 S \$41.00 11650 1 4374 3 66.667 0.98713 No. 3 08/24/00 12684 4 22546 S \$41.00 152 1 2097 3 61.629 0.96244 No. 20 08/10/26/00 12644 4 22546 S \$41.00 152 1 2097 3 61.629 0.96244 No. 20 08/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3 08/24/00 12684 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3 08/24/00 12684 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3 08/24/00 12644 4 22546 S \$41.00 116500 1 4374 3 66.667 0.98713 No. 3 08/24/00 12644 4 22546 S \$41.00 116500 1 4374 3 66.667 0.98713 No. 3 08/24/00 12684 4 22546 S \$41.00 152 1 2097 3 61.629 0.96244 No. 20	04/20/00	13240	2	37749	S	\$33.55	1119228	1	31319	16	93.010	1.03690	No. 200
01/20/00 12963 2 20518 S \$44.97 12963 1 11442 6 89.000 1.03322 3/8 01/20/00 12963 2 20518 S \$41.95 12963A5 1 7390 4 88.900 1.03000 1/2 0/20/00 12963 2 20518 S \$41.95 12963A5 1 7390 4 88.900 1.03000 1/2 0/20/00 11543 1 10912 S \$51.00 85810-1 1 11753 6 88.688 1.03221 No. 4 0/20/00 13185 2 17237 S \$38.64 125 1 7353 5 87.987 1.03000 No. 8 0/20/10/10/00 11959 2 30699 S \$39.00 119228A 33353 17 86.490 1.00125 1/2 0/20/00 12865 6 7477 S \$30.00 05847-1 1 7494 5 84.907 1.02570 No. 8 0/20/10 12865 6 7477 S \$30.00 05847-1 1 7494 5 84.907 1.02570 No. 8 0/20/10 13240 2 37749 S \$39.10 119228A 1 11721 6 80.819 1.00257 No. 8 0/20/20/00 13240 2 37749 S \$39.10 119228A 1 11445 7 80.033 0.99350 No. 8 0/20/20/00 13024 1 16700 S \$41.00 184 1 6781 4 79.704 1.01892 No. 4 0/20/00 13024 1 16700 S \$40.31 112654 1 14820 8 78.842 0.98082 No. 4 0/20/00 12362 1 34474 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 20/20/00 12864 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/20/20/00 12864 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/20/20/10 12883 2 17609 S \$41.00 16000 1 4374 3 66.667 0.98713 No. 30/20/20/00 12864 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/20/20/10 12883 2 17609 S \$41.00 160500 1 4374 3 66.667 0.98713 No. 30/20/20/00 12885 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20/20/20/00 12858 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20/20/20/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 40/20/20/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/20/20/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/20/20/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/20/20/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/20/20/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/20/20/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/20/20/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/20/20/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/20/20/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946	04/06/00	13185	2	17237	S	\$45.36	141	1	11613	7	92.756	1.03500	No. 4
01/20/00 12963	11/30/00	11911	6	11936	S	\$38.00	105881	1	11986	6	91.713	1.03500	1/2
06/15/00 11543 1 10912 S \$51.00 85810-1 1 11753 6 88.688 1.03221 No. 4 04/06/00 13185 2 17237 S \$38.64 125 1 7353 5 87.987 1.03000 No. 8 01/13/00 11959 2 30699 S \$39.00 119228A 33353 17 86.490 1.00125 17/06/00 12865 6 7477 S \$30.00 05847-1 1 7494 5 84.907 1.02570 No. 8 08/17/00 92911 6 13782 S \$56.16 105869 1 11721 6 80.819 1.00257 No. 8 04/20/00 13240 2 37749 S \$39.10 119228A 1 11445 7 80.033 0.99350 No. 8 04/20/00 12583 2 17609 S \$41.00 184 1 6781 4 79.704 1.01892 No. 4 01/06/00 13024 1 16700 S \$40.31 112654 1 14820 8 78.842 0.98082 No. 4 07/20/00 12362 1 34474 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 20/08/10/00 11848 1 19014 S \$45.79 39783-1 1 16000 8 76.159 0.96636 No. 20/09/21/00 92054 6 13319 S \$39.40 105894 1 7287 4 67.817 0.96785 No. 3/09/21/00 12583 2 17609 S \$41.00 Γ106500 1 4374 3 66.667 0.98713 No. 3/09/21/00 12583 2 17609 S \$41.00 Γ106500 1 4374 3 66.667 0.98713 No. 3/09/21/00 12583 2 17609 S \$41.00 Γ106500 1 4374 3 66.667 0.98713 No. 3/09/21/00 12583 2 17609 S \$41.00 Γ106500 1 4374 3 66.667 0.98713 No. 3/09/21/00 12583 2 17609 S \$41.00 Γ106500 1 4374 3 66.667 0.98713 No. 3/09/21/00 12583 2 17609 S \$41.00 Γ106500 1 4374 3 66.667 0.98713 No. 3/09/21/00 12583 2 8042 S \$54.00 Γ106500 1 4374 3 66.667 0.98713 No. 3/08/21/00 12858 2 8042 S \$54.00 Γ106500 1 4374 3 66.667 0.98713 No. 3/08/21/00 12858 2 8042 S \$54.00 Γ106500 1 4374 3 66.667 0.98713 No. 3/08/21/00 12858 2 8042 S \$54.00 Γ106500 1 5500 3 58.946 0.94753 No. 3/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3/10/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/	01/20/00	12963	2	20518	S	\$44.97	12963	1	11442	6	89.000	1.03322	3/8
04/06/00 13185 2 17237 S \$38.64 125 1 7353 5 87.987 1.03000 No. 8 01/13/00 11959 2 30699 S \$39.00 119228A 33353 17 86.490 1.00125 17/2 04/20/00 12865 6 7477 S \$30.00 05847-1 1 7494 5 84.907 1.02570 No. 8 08/17/00 92911 6 13782 S \$56.16 105869 1 11721 6 80.819 1.00257 No. 8 04/20/00 13240 2 37749 S \$39.10 119228A 1 11445 7 80.033 0.99350 No. 8 04/20/00 13240 2 37749 S \$39.10 119228A 1 11445 7 80.033 0.99350 No. 8 04/20/00 12583 2 17609 S \$41.00 184 1 6781 4 79.704 1.01892 No. 4 04/06/00 13024 1 16700 S \$40.31 112654 1 14820 8 78.842 0.98082 No. 4 07/20/00 12362 1 34474 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 20/08/10/00 11848 1 19014 S \$45.79 39783-1 1 16000 8 76.159 0.96636 No. 20/08/10/00 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/8 0.99/21/00 92054 6 13319 S \$39.40 105894 1 7287 4 67.817 0.96785 No. 4 0.98/10/00 11848 1 19014 S \$45.79 129786 1 6000 3 66.667 0.98713 No. 3/08/10/00 11848 1 19014 S \$45.79 129786 1 6000 3 66.667 0.98713 No. 3/08/10/00 12583 2 17609 S \$41.00 [106500 1 4374 3 66.667 0.98713 No. 3/08/24/00 12583 2 17609 S \$41.00 [106500 1 4374 3 66.667 0.98713 No. 3/08/24/00 12583 2 17609 S \$41.00 [106500 1 4374 3 66.667 0.98713 No. 3/08/24/00 12583 2 17609 S \$41.00 [106500 1 4374 3 66.667 0.98713 No. 3/08/24/00 12583 2 17609 S \$41.00 [106500 1 4374 3 66.667 0.98713 No. 3/08/24/00 12583 2 17609 S \$41.00 [106500 1 4374 3 66.667 0.98713 No. 3/08/24/00 12583 2 17609 S \$41.00 [106500 1 4374 3 66.667 0.98713 No. 3/08/24/00 12583 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20/08/24/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3/08/24/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3/08/24/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3/08/24/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3/08/24/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//	01/20/00	12963	2	20518	S	\$41.95	2963A5	1	7390	4	88.900	1.03000	1/2
01/13/00 11959 2 30699 S \$39.00   19228A 33353 17 86.490 1.00125 1/2 04/20/00 12865 6 7477 S \$30.00 05847-1 1 7494 5 84.907 1.02570 No. 8 08/17/00 92911 6 13782 S \$56.16 105869 1 11721 6 80.819 1.00257 No. 8 04/20/00 13240 2 37749 S \$39.10   19228A 1 11445 7 80.033 0.99350 No. 8 01/27/00 12583 2 17609 S \$41.00 184 1 6781 4 79.704 1.01892 No. 4 01/06/00 13024 1 16700 S \$40.31 112654 1 14820 8 78.842 0.98082 No. 4 07/20/00 12362 1 34474 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 20 08/10/00 11848 1 19014 S \$45.79 39783-1 1 16000 8 76.159 0.96636 No. 20 08/10/00 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/6 08/10/00 11848 1 19014 S \$45.79 129786 1 6000 3 66.667 0.98713 No. 30 08/21/00 12583 2 17609 S \$41.00 Γ106500 1 4374 3 66.667 0.98713 No. 30 08/24/00 12583 2 17609 S \$41.00 Γ106500 1 4374 3 66.667 0.98713 No. 30 08/24/00 12588 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20 10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 08/24/00 12684 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 08/24/00 12684 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 08/24/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 08/24/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 08/24/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 08/24/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30	06/15/00	11543	1	10912	S	\$51.00	85810-1	1	11753	6	88.688	1.03221	No. 4
04/20/00 12865 6 7477 S \$30.00 05847-1 1 7494 5 84.907 1.02570 No. 8 08/17/00 92911 6 13782 S \$56.16 105869 1 11721 6 80.819 1.00257 No. 8 04/20/00 13240 2 37749 S \$39.10 119228A 1 11445 7 80.033 0.99350 No. 8 04/20/00 13240 2 37749 S \$41.00 184 1 6781 4 79.704 1.01892 No. 4 04/20/00 13024 1 16700 S \$41.00 184 1 6781 4 79.704 1.01892 No. 4 04/20/00 13024 1 16700 S \$40.31 112654 1 14820 8 78.842 0.98082 No. 4 07/20/00 12362 1 34474 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 20/08/10/00 11848 1 19014 S \$45.79 39783-1 1 16000 8 76.159 0.96636 No. 20/08/10/00 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/08/10/00 11848 1 19014 S \$45.79 129786 1 6000 3 66.667 0.98713 No. 30/09/21/00 92054 6 13319 S \$39.40 105894 1 7287 4 67.817 0.96785 No. 4 08/10/00 11848 1 19014 S \$45.79 129786 1 6000 3 66.667 0.98713 No. 30/09/21/00 12583 2 17609 S \$41.00 1106500 1 4374 3 66.667 0.98713 No. 30/08/24/00 12583 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20/09/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/08/24/00 12858 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20/09/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/09/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/09/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/09/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/09/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/09/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/09/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/09/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/09/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/09/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/09/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/09/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/09/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/09/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/09/26/00	04/06/00	13185	2	17237	S	\$38.64	125	1	7353	5	87.987	1.03000	No. 8
08/17/00 92911 6 13782 S \$56.16 105869 1 11721 6 80.819 1.00257 No. 8 04/20/00 13240 2 37749 S \$39.10 119228A 1 11445 7 80.033 0.99350 No. 8 01/27/00 12583 2 17609 S \$41.00 184 1 6781 4 79.704 1.01892 No. 4 01/06/00 13024 1 16700 S \$40.31 112654 1 14820 8 78.842 0.98082 No. 4 01/06/00 12362 1 34474 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 20/08/10/00 11848 1 19014 S \$45.79 39783-1 1 16000 8 76.159 0.96636 No. 20/08/10/00 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/08/10/00 11848 1 19014 S \$45.79 129786 1 6000 3 66.667 0.98713 No. 30/08/10/00 11848 1 19014 S \$45.79 129786 1 6000 3 66.667 0.98713 No. 30/08/21/00 12583 2 17609 S \$41.00 [106500 1 4374 3 66.667 0.98713 No. 30/08/24/00 12858 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 4/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/08/24/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/08/24/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/08/24/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/08/24/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//08/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//08/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//08/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//08/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//08/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//08/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//08/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//08/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//08/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//08/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//08/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//08/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//08/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//08/26/00 1	01/13/00	11959	2	30699	S	\$39.00	19228A		33353	17	86.490	1.00125	1/2
04/20/00 13240 2 37749 S \$39.10 119228A 1 11445 7 80.033 0.99350 No. 8 01/27/00 12583 2 17609 S \$41.00 184 1 6781 4 79.704 1.01892 No. 4 01/06/00 13024 1 16700 S \$40.31 112654 1 14820 8 78.842 0.98082 No. 4 07/20/00 12362 1 34474 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 20/08/10/00 11848 1 19014 S \$45.79 39783-1 1 16000 8 76.159 0.96636 No. 20/09/21/00 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/8 09/21/00 92054 6 13319 S \$39.40 105894 1 7287 4 67.817 0.96785 No. 4 08/10/00 11848 1 19014 S \$45.79 129786 1 6000 3 66.667 0.98713 No. 3/09/21/00 12583 2 17609 S \$41.00 [106500 1 4374 3 66.667 0.98713 No. 3/08/24/00 12858 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20/01/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3/10/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1//26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1	04/20/00	12865	6	7477	S	\$30.00	05847-1	1	7494	5	84.907	1.02570	No. 8
01/27/00 12583 2 17609 S \$41.00 184 1 6781 4 79.704 1.01892 No. 4 01/06/00 13024 1 16700 S \$40.31 112654 1 14820 8 78.842 0.98082 No. 4 07/20/00 12362 1 34474 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 20/08/10/00 11848 1 19014 S \$45.79 39783-1 1 16000 8 76.159 0.96636 No. 20/08/20/00 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/08/20/00 92054 6 13319 S \$39.40 105894 1 7287 4 67.817 0.96785 No. 4 08/10/00 11848 1 19014 S \$45.79 129786 1 6000 3 66.667 0.98713 No. 30/08/20/00 12583 2 17609 S \$41.00 [106500 1 4374 3 66.667 0.98713 No. 30/08/20/00 12858 2 8042 S \$54.00 [152 1 2097 3 61.629 0.96244 No. 20/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30/10/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/10/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/10/26/00 12644 4 22546 S	08/17/00	92911	6	13782	S	\$56.16	105869	1	11721	6	80.819	1.00257	No. 8
01/06/00 13024 1 16700 S \$40.31 112654 1 14820 8 78.842 0.98082 No. 4 07/20/00 12362 1 34474 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 200 08/10/00 11848 1 19014 S \$45.79 39783-1 1 16000 8 76.159 0.96636 No. 200 10/26/00 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/8 09/21/00 92054 6 13319 S \$39.40 105894 1 7287 4 67.817 0.96785 No. 4 08/10/00 11848 1 19014 S \$45.79 129786 1 6000 3 66.667 0.98713 No. 30 01/27/00 12583 2 17609 S \$41.00 [106500 1 4374 3 66.667 0.98713 No. 30 08/24/00 12858 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 200 10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 10/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/2	04/20/00	13240	2	37749	S	\$39.10	19228A	1	11445	7	80.033	0.99350	No. 8
07/20/00 12362 1 34474 S \$41.00 121095 1 14000 7 76.694 0.97662 No. 200 08/10/00 11848 1 19014 S \$45.79 39783-1 1 16000 8 76.159 0.96636 No. 200 10/26/00 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/8 0.99/21/00 92054 6 13319 S \$39.40 105894 1 7287 4 67.817 0.96785 No. 40 08/10/00 11848 1 19014 S \$45.79 129786 1 6000 3 66.667 0.98713 No. 30 01/27/00 12583 2 17609 S \$41.00 [106500 1 4374 3 66.667 0.98713 No. 30 08/24/00 12858 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 200 10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 10/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/2	01/27/00	12583	2	17609	S	\$41.00	184	1	6781	4	79.704	1.01892	No. 4
08/10/00 11848	01/06/00	13024	1	16700	S	\$40.31	112654	1	14820	8	78.842	0.98082	No. 4
10/26/00 12644 4 22546 S \$47.15 26301B 2 12000 6 70.061 0.94797 3/8 09/21/00 92054 6 13319 S \$39.40 105894 1 7287 4 67.817 0.96785 No. 4 08/10/00 11848 1 19014 S \$45.79 129786 1 6000 3 66.667 0.98713 No. 3/0 01/27/00 12583 2 17609 S \$41.00 [106500 1 4374 3 66.667 0.98713 No. 3/0 08/24/00 12858 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20/0 10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3/0 10/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/2	07/20/00	12362	1	34474	S	\$41.00	121095	1	14000	7	76.694	0.97662	No. 200
09/21/00 92054 6 13319 S \$39.40 105894 1 7287 4 67.817 0.96785 No. 4 08/10/00 11848 1 19014 S \$45.79 129786 1 6000 3 66.667 0.98713 No. 30 01/27/00 12583 2 17609 S \$41.00 [106500 1 4374 3 66.667 0.98713 No. 30 08/24/00 12858 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 20 10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 10/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/2	08/10/00	11848	1	19014	S	\$45.79	39783-1	1	16000	8	76.159	0.96636	No. 200
08/10/00 11848 1 19014 S \$45.79 129786 1 6000 3 66.667 0.98713 No. 30 01/27/00 12583 2 17609 S \$41.00 \(\text{T106500}\) 1 4374 3 66.667 0.98713 No. 30 08/24/00 12858 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 200 10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 10/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/2	10/26/00	12644	4	22546	S	\$47.15	26301B	2	12000	6	70.061	0.94797	3/8
01/27/00 12583 2 17609 S \$41.00 \(\text{F106500}\) 1 4374 3 66.667 0.98713 No. 30 \(\text{D8}/24/00\) 12858 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 200 \(\text{10}/26/00\) 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 30 \(\text{10}/26/00\) 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/2	09/21/00	92054	6	13319	S	\$39.40	105894	1	7287	4	67.817	0.96785	No. 4
08/24/00 12858 2 8042 S \$54.00 152 1 2097 3 61.629 0.96244 No. 200 10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 3 10/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/2	08/10/00	11848	1	19014	S	\$45.79	129786	1	6000	3	66.667	0.98713	No. 30
10/26/00 12644 4 22546 S \$47.15 26301B 1 5106 3 58.946 0.94753 No. 8 10/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/2	01/27/00	12583	2	17609	S	\$41.00	Γ106500	1	4374	3	66.667	0.98713	No. 30
10/26/00 12644 4 22546 S \$61.26 55702A 1 2573 3 50.000 0.88900 1/2	08/24/00	12858	2	8042	S	\$54.00	152	1	2097	3	61.629	0.96244	No. 200
	10/26/00	12644	4	22546	S	\$47.15	26301B	1	5106	3	58.946	0.94753	No. 8
03/09/00 11861 2 3600 S \$42.00 31318 1 3675 3 0.000 0.31177 No. 4	10/26/00	12644	4	22546	S	\$61.26	55702A	1	2573	3	50.000	0.88900	1/2
	03/09/00	11861	2	3600	S	\$42.00	31318	1	3675	3	0.000	0.31177	No. 4

Grading:	S

Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	Ke Siev	-
Totals	Grading	: S							0 "			y Siev	r <del>e</del>
		Pro	ocesses	Т	otal Tons				Quality Level	Pay Factor	1/2"		7
			31		407,353		Maxim	um:	100.000	1.05090	3/8" No.		2 10
							Minim	um:	0.000	0.31177	No.	8	5
											No.	30	2
						Weig	hted Avera	age:	86.711	1.01198	No.	200	4

### Grading: SMA

Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	Key Sieve	
10/26/00	12153	3	58296	SM	\$48.53	291A	1	11075	7	75.968	0.97274	No.	4
Totals	Grading	: SM	[A						0 -114			ey Sieve Count	
		Pre	ocesses	7	Total Tons				Quality Level	Pay Factor	1/2		0
					11,075		Maxim	um:	75.968	0.97274	3/8' No.		0
							Minim	um:	75.968	0.97274	No.	. 8	0
											No.	. 30	0
						Weig	hted Aver	age:	75.968	0.97274	No.	200	0

### Grading: SX

Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	Key Sieve
01/20/00	12733	3	36553	SX	\$33.92	/CT 103	1	9796	6	100.000	1.03500	All QLs100
01/20/00		3	24686		\$28.70	193A		7194	3	100.000	1.02500	All QLs100
06/22/00		3	40294		\$36.19	200B		8145	5	100.000	1.03000	All QLs100
01/27/00		5	44390		\$41.59	126	•	41389	21	98.457	1.05000	No. 4
01/20/00		3	36553		\$40.24	CT103B		21992	12	97.744	1.04500	No. 4
05/11/00		3	40657		\$41.95	202	•	30767	16	96.454	1.05000	No. 8
06/22/00		3	40294		\$36.36	202		20493	10	96.032	1.04500	No. 4
		_					•					
12/14/00	12238	3	98733	SX	\$62.00	99995A	. 1	10638	6	91.110	1.03500	No. 8
12/07/00	13255	1	21133	SX	\$33.20	03597A	. 1	12888	7	89.389	1.03265	1/2
10/26/00	12153	3	58296	SX	\$36.15	298	3 1	23983	12	88.111	1.01710	No. 4
09/14/00	12018	3	19124	SX	\$45.55	244	1	23204	12	87.876	1.01597	No. 4
12/14/00	12238	3	98733	SX	\$62.00	99994	1	11311	11	86.364	1.01024	No. 8
01/20/00	12735	3	24686	SX	\$30.87	203-A	. 1	19042	10	85.300	1.00692	No. 4
01/27/00	12732	3	27930	SX	\$36.46	184	1	12041	7	83.775	1.01060	No. 8

Gra	ding	: <i>SX</i>

Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix F Design	Process No.	Tons	Tests	Quality Level	Pay Factor	Key Sieve
12/14/00	12238	3	98733	SX	\$44.00	270	1	22885	15	82.886	0.98355	No. 4
12/14/00	12238	3	98733	SX	\$62.00	99995	1	25183	23	81.361	0.96049	No. 8
06/22/00	13092	3	40294	SX	\$35.64	225	1	8584	5	79.067	1.00400	No. 4
01/20/00	12735	3	24686	SX	\$28.36	194A	1	5438	3	77.281	1.02500	No. 4
01/27/00	12732	3	27930	SX	\$36.13	178	1	12663	7	76.592	0.97607	No. 30
12/21/00	13556	3	66756	SX	\$33.98	265	1	6462	3	75.513	1.02005	No. 4
12/14/00	12238	3	98733	SX	\$62.00	99996	1	4871	5	74.493	0.98377	No. 8
05/18/00	12737	3	24568	SX	\$54.64	227	1	18597	10	72.525	0.93530	No. 200
04/06/00	12271	3	27140	SX	\$47.91	220	1	16016	9	71.865	0.93409	No. 4
10/26/00	12153	3	58296	SX	\$35.26	259	1	8315	4	69.419	0.97594	No. 8
04/06/00	12271	3	27140	SX	\$53.74	211A	1	12203	6	67.587	0.93311	No. 4
07/27/00	13386	5	4172	SX	\$47.50	138	1	4611	3	64.255	0.97584	No. 30
06/29/00	12981	3	3032	SX	\$70.00	217	1	3597	3	57.721	0.94032	No. 4
06/22/00	13092	3	40294	SX	\$32.95	224	1	6697	4	50.833	0.85881	No. 8
01/27/00	13057	5	44390	SX	\$41.59	125	1	4891	3	41.559	0.82133	No. 200
12/07/00	13255	1	21133	SX	\$33.20	103597	1	8609	4	37.090	0.73952	1/2
5/18/00	12737	3	24568	SX	\$54.64	219	1	6193	3	36.518	0.77514	No. 200
Totals	Grading	: SX										y Sieve Count
		Pre	ocesses	,	Total Tons				Quality Level	Pay Factor	1/2	" 2
			0.4		400.000		Marrian		100.000	1.05000	3/8	
			31		428,698		Maxim				No.	
							Minim	um:	36.518	0.73952	No. No.	
						Weigh	ted Aver	age:	83.782	0.99470		200 3

			<b>.</b>		Key Siev Count	
Processes	Total Tons		Quality Level	Pay Factor	1/2" 3/8"	9 2
63	847,126	Maximum:	100.000	1.05090	No. 4	24
		Minimum:	0.000	0.31177	No. 8 No. 30	13 4
		Weighted Average:	85.088	.00272	No. 200	7

## Gradation - Process Information - Recap by Region

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/00.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Weighted average used for: Price, Pay Factor, and Quality Level

Grading: S								Quality Level	
		Processes	Tons	Tests	Price	Pay Factor	Avg.	High	Low
Regio	on 1	7	134,750	69	\$37.08	1.01972	87.882	96.476	66.667
Regio	on 2	15	190,897	106	\$39.23	1.01114	88.000	100.000	0.000
Regio	on 4	3	19,679	12	\$48.99	0.94015	64.554	70.061	50.000
Regio	on 6	6	62,027	33	\$41.83	1.02054	87.228	98.425	67.817
Total	ls: S	31	407,353	220	\$39.39	1.01198	86.711	100.000	0.00
Grading: SM	A					_		Quality Level	
		Processes	Tons	Tests	Price	Pay Factor	Avg.	High	Low
Regio	on 3		11,075	7	\$48.53	0.97274	75.968	75.968	75.96
Total	ls: SMA		11,075	7	\$48.53	0.97274	75.968	75.968	75.96
Grading: SX								Quality Level	
		Processes	Tons	Tests	Price	Pay Factor	Avg.	High	Low
Regio	on 1	2	21,497	11	\$33.20	0.91526	68.445	89.389	37.09
Regio	on 3	26	356,310	210	\$43.83	0.99569	83.835	100.000	36.51
Regio	on 5	3	50,891	27	\$42.13	.02130	89.890	98.457	41.55
Total	ls: SX	31	428,698	248	\$43.09	0.99470	83.782	100.000	36.51
Statewide Tota	als					B	(	Quality Level	
		Processes	Tons	Tests	Price	Pay Factor	Avg.	High	Low
		63	847,126	475	\$41.38	1.00272	85.088	100.000	0.00

# Gradation - Standard Deviation Information

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/00.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Gra	ading	S
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Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Tons	Tests	Key Sieve	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
01/06/00	13024	1	16700	S	\$40.31	14820	8	No. 4	0.500	2.200	3.100	4.000	3.300	2.200	0.600
01/13/00	11959	2	30699	S	\$39.00	33353	17	1/2	2.300	2.500	2.100	2.300	2.100	1.800	0.870
01/20/00	12963	2	20518	S	\$44.97	11442	6	3/8	1.800	2.900	2.600	1.500	1.500	1.200	0.940
01/20/00	12963	2	20518	S	\$41.95	7390	4	1/2	0.600	4.500	2.400	2.800	1.700	1.300	1.020
01/27/00	12583	2	17609	S	\$41.00	6781	4	No. 4	0.800	3.100	3.100	3.400	2.700	1.700	0.820
01/27/00	12583	2	17609	S	\$41.00	4374	3	No. 30	0.000	2.000	2.100	4.500	4.600	4.000	0.850
03/09/00	11861	2	3600	S	\$42.00	3675	3	No. 4	0.000	1.000	0.600	0.600	0.600	0.600	0.360
03/23/00	12598	2	42375	S	\$37.50	14000	7	No. 4	1.100	1.500	1.500	1.900	1.600	1.400	0.500
03/23/00	12598	2	42375	S	\$37.50	26822	14	1/2	1.700	2.600	2.500	2.000	2.100	1.300	0.780
04/06/00	13185	2	17237	S	\$38.64	7353	5	No. 8	2.400	3.300	2.900	2.200	2.800	1.300	0.540
04/06/00	13185	2	17237	S	\$45.36	11613	7	No. 4	0.500	2.500	2.200	2.300	1.600	0.500	0.240
04/20/00	12865	6	7477	S	\$30.00	7494	5	No. 8	0.400	1.900	1.100	1.100	1.300	1.300	0.580
04/20/00	13240	2	37749	S	\$39.10	11445	7	No. 8	2.300	4.400	3.900	3.700	4.000	1.900	0.380
04/20/00	13240	2	37749	S	\$33.55	31319	16	No. 200	1.700	2.400	2.500	2.500	2.200	1.800	0.820
04/27/00	11581	2	12536	S	\$40.00	13290	7	1/2	0.000	2.700	2.600	2.100	1.500	1.000	0.420
05/11/00	13077	1	9372	S	\$35.00	10572	6	1/2	1.000	1.300	1.500	1.800	2.000	1.200	0.290
06/15/00	11543	1	10912	S	\$51.00	11753	6	No. 4	1.200	1.500	1.200	1.000	1.400	0.800	0.450
07/20/00	12362	1	34474	S	\$41.00	14000	7	No. 200	1.500	2.700	2.500	3.300	3.400	1.800	0.640
08/10/00	11848	1	19014	S	\$45.79	6000	3	No. 30	2.100	2.100	2.600	1.500	1.500	2.900	0.870
08/10/00	11848	1	19014	S	\$45.79	16000	8	No. 200	1.200	3.200	3.400	3.300	2.900	2.500	1.340
08/17/00	92911	6	13782	S	\$56.16	11721	6	No. 8	3.500	1.500	2.300	2.300	3.300	2.600	0.580
08/24/00	12858	2	8042	S	\$45.00	5943	3	QLs100	0.000	1.500	2.500	2.000	1.200	1.500	0.720
08/24/00	12858	2	8042	S	\$54.00	2097	3	No. 200	0.000	2.500	5.100	1.500	2.100	1.500	1.050
08/31/00	12056	6	14366	S	\$42.00	16000	8	No. 4	1.400	2.900	2.300	2.900	2.900	1.500	0.530
09/21/00	92054	6	13319	S	\$39.40	7539	4	No. 4	1.000	2.200	1.800	1.900	1.300	1.000	0.250
09/21/00	92054	6	13319	S	\$39.40	7287	4	No. 4	0.800	2.600	4.600	3.700	2.500	1.900	0.580
10/26/00	12644	4	22546	S	\$47.15	5106	3	No. 8	0.000	2.600	4.600	3.200	2.100	0.600	0.320
10/26/00	12644	4	22546	S	\$47.15	12000	6	3/8	0.000	3.000	3.900	3.400	2.300	1.000	0.270
10/26/00	12644	4	22546	S	\$61.26	2573	3	1/2	0.000	1.700	1.200	1.000	2.500	1.000	0.510
11/30/00	11911	6	11936	S	\$38.00	11986	6	1/2	0.000	3.000	3.600	1.900	1.900	1.400	0.700
12/21/00	13165	1	62570	S	\$30.00	61605	31	No. 4	1.100	2.400	2.600	2.400	2.400	1.500	0.550

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 Number of Processes:
 31
 Max.
 3.500
 4.500
 5.100
 4.500
 4.600
 4.000
 1.340

 Total Tons:
 407,353
 Min.
 0.000
 1.000
 0.600
 0.600
 0.600
 0.500
 0.240

3/4"

1/2"

 Weighted Average:
 1.236
 2.503
 2.564
 2.449
 2.288
 1.565
 0.643

 Key Sieve Count
 7
 2
 10
 5
 2
 4

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3/8" No. 4 No. 8 No. 30 No. 200

Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Tons	Tests	Key Sieve	3/4"	1/2"	3/8"	No. 4	<b>N</b> o. 8	No. 30	No. 200
10/26/00	12153	3	58296	SM	\$48.53	11075	7	No. 4		0.000	1.100	2.100	1.700	1.000	0.800
	Totals (	Gradii	ng: SM	<b>I</b> A					3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
		Numbe	r of Proc	esses:	1			Max.		0.000	1.100	2.100	1.700	1.000	0.800
			Total	Tons:	11,075			Min.		0.000	1.100	2.100	1.700	1.000	0.800
						Weig	hted Av	erage:		0.000	1.100	2.100	1.700	1.000	0.800
						Ke	v Sieve	Count		0	0	1	0	0	0

Gra	ding	SX
Gra	aing	<b>.</b>

Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Tons	Tests	Key Sieve	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
01/20/00	12733	3	36553	SX	\$33.92	9796	6	QLs100		0.500	0.800	0.500	0.500	0.000	0.470
01/20/00	12733	3	36553	SX	\$40.24	21992	12	No. 4		1.300	2.100	2.000	1.400	1.000	0.200
01/20/00	12735	3	24686	SX	\$28.70	7194	3	QLs100		0.600	1.200	1.700	0.600	0.000	0.060
01/20/00	12735	3	24686	SX	\$28.36	5438	3	No. 4		0.000	1.000	1.500	2.100	1.200	0.720
01/20/00	12735	3	24686	SX	\$30.87	19042	10	No. 4		0.400	2.300	3.000	2.600	1.600	0.770
01/27/00	12732	3	27930	SX	\$36.13	12663	7	No. 30		0.500	2.100	3.000	2.300	1.000	0.440
01/27/00	12732	3	27930	SX	\$36.46	12041	7	No. 8		0.900	1.900	2.800	2.400	1.700	0.600
01/27/00	13057	5	44390	SX	\$41.59	4891	3	No. 200		1.000	1.000	2.500	3.100	2.500	0.550
01/27/00	13057	5	44390	SX	\$41.59	41389	21	No. 4		0.800	1.500	2.100	1.700	1.100	0.330
04/06/00	12271	3	27140	SX	\$53.74	12203	6	No. 4		1.000	2.900	2.700	2.200	0.800	0.120
04/06/00	12271	3	27140	SX	\$47.91	16016	9	No. 4		0.900	2.400	2.000	2.600	1.800	0.750
05/11/00	13104	3	40657	SX	\$41.95	30767	16	No. 8		1.300	1.500	1.800	1.700	1.300	0.500
05/18/00	12737	3	24568	SX	\$54.64	6193	3	No. 200		0.600	1.200	2.000	1.500	0.600	0.350
05/18/00	12737	3	24568	SX	\$54.64	18597	10	No. 200		1.100	1.600	2.100	2.300	1.700	1.800
06/22/00	13092	3	40294	SX	\$36.36	20493	10	No. 4		1.000	1.900	2.600	1.400	0.900	0.430
06/22/00	13092	3	40294	SX	\$36.19	8145	5	QLs100		1.100	0.700	1.100	1.300	0.700	0.200
06/22/00	13092	3	40294	SX	\$32.95	6697	4	No. 8		0.500	2.100	5.300	6.600	3.900	0.840
06/22/00	13092	3	40294	SX	\$35.64	8584	5	No. 4		1.100	1.100	2.600	2.000	0.800	0.310
06/29/00	12981	3	3032	2 SX	\$70.00	3597	3	No. 4		2.300	3.200	3.600	3.100	2.600	0.810
07/27/00	13386	5	4172	2 SX	\$47.50	4611	3	No. 30		0.000	1.700	4.500	4.000	2.000	0.640
09/14/00	12018	3	19124	SX	\$45.55	23204	12	No. 4		0.500	1.100	1.400	1.100	1.000	0.390
10/26/00	12153	3	58296	S SX	\$35.26	8315	4	No. 8		0.600	1.200	3.100	3.900	1.900	0.530
10/26/00	12153	3	58296	S SX	\$36.15	23983	12	No. 4		0.900	1.900	2.600	2.200	1.600	1.060
12/07/00	13255	1	21133	3 SX	\$33.20	8609	4	1/2		1.300	2.500	2.400	1.900	1.700	1.260
12/07/00	13255	1	21133	3 SX	\$33.20	12888	7	1/2		2.000	3.300	2.800	3.000	1.800	0.690
12/14/00	12238	3	98733	3 SX	\$44.00	22885	15	No. 4		0.500	1.400	3.700	3.200	2.000	0.620
12/14/00	12238	3	98733	3 SX	\$62.00	11311	11	No. 8		0.500	1.600	2.100	2.700	1.600	0.410
12/14/00	12238	3	98733	3 SX	\$62.00	25183	23	No. 8		0.300	2.200	2.700	3.000	2.100	0.640
12/14/00	12238	3	98733	3 SX	\$62.00	10638	6	No. 8		0.000	1.200	0.800	2.100	1.700	0.340
12/14/00	12238	3	98733	3 SX	\$62.00	4871	5	No. 8		0.500	2.600	2.500	2.800	1.600	0.720
12/21/00	13556	3	66756	S SX	\$33.98	6462	3	No. 4		0.600	1.200	3.200	2.100	1.000	0.570
Totals Grading: SX									3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
	Number of Processes:				31			Max.		2.300	3.300	5.300	6.600	3.900	1.800
								Min.		0.000		0.500		0.000	0.060
Total Tons: 428,698 Min.  Weighted Average:											2.375		1.408	0.585	
	Key Sieve Count								2	0		8	2	3	

Gradation Totals	1/1/00	to 12/31/0	00 Plan Quantities fr	Plan Quantities from 0 to 200000 tons.								
				3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200		
Number of Proc	esses:	63	Max.	3.500	4.500	5.100	5.300	6.600	4.000	1.800		
Total	Tons:	847,126	Min.	0.000	0.000	0.600	0.500	0.500	0.000	0.060		
			Weighted Average:		1.614	2.141	2.407	2.235	1.479	0.615		

**Key Sieve Count** 

9

2 24

13

4

7

# Gradation - Standard Deviation - Recap by Region

Criteria: Projects with Bid Dates from 1/1/00 to 12/31/00.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Gradi	ng: S							Weight	ed Avera	ge		
		Processes	Tons	Tests	Price	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
i	Region 1	7	134,750	69	\$37.08	1.133	2.326	2.531	2.567	2.504	1.705	0.644
i	Region 2	15	190,897	106	\$39.23	1.421	2.634	2.451	2.338	2.119	1.508	0.706
i	Region 4	3	19,679	12	\$48.99	0.000	2.726	3.729	3.034	2.274	0.896	0.314
j	Region 6	6	62,027	33	\$41.83	1.286	2.414	2.616	2.348	2.348	1.651	0.550
7	Totals S	31	407,353	220	\$39.39	1.236	2.503	2.564	2.449	2.288	1.565	0.643
Gradi	ng: SMA							Weight	ed Avera	ge		
		Processes	Tons	Tests	Price	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
7	Region 3	1	11,075	7	\$48.53		0.000	1.100	2.100	1.700	1.000	0.800
	Totals SMA	1	11,075	7	\$48.53		0.000	1.100	2.100	1.700	1.000	0.800
Gradi	ing: SX							Weigh	ted Avera	ge		
_		Processes	Tons	Tests	Price	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
,	Region 1	2	21,497	11	\$33.20		1.720	2.980	2.640	2.559	1.760	0.918
	Region 3	26	356,310	210	\$43.83		0.766	1.734	2.361	2.198	1.400	0.594
	Region 5	3	50,891	27	\$42.13		0.747	1.470	2.356	2.043	1.316	0.379
-	Totals SX	31	428,698	248	\$43.09		0.812	1.765	2.375	2.198	1.408	0.58
State	wide Totals					·		Weigh	ted Avera	ge		
		Processes 63	Tons 847,126	Tests 475	Price \$41.38	3/4"	1/ <b>2"</b> 1.614	3/8" 2.141	No. 4 2.407	No. 8 2.235	No. 30 1.479	No. 200

## Appendix C Reports for 2001 Projects

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### Project Listing by Region/Subaccount

Projects with Bid Dates from 1/1/01 to 12/31/01

Region:	1					
Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quant.
12524	IM 0252-323	I-25, US 85 Intersection	45	05/10/01	\$6,778,000.00	20,994
13008	IM 0703-226	I-70, Floyd Hill - Idaho Spgs	14	01/25/01	\$2,961,365.80	22,198
	Number of Pr	ojects 2	Total Qu	antity 43,192		
Region:	2					
Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quant.
11955	STA 1151-009	Big Turkey Creek	32	01/11/01	\$5,990,060.22	59,978
12390	IM 0851-002	I-25 & SH 85	49	08/16/01	\$9,391,326.82	7,812
12391	NH 0242-028	Cascade/Pikes Peak Hwy	45	08/02/01	\$1,844,533.53	9,357
12495	STU 0831-078	Hwy 83 at Hodgen Rd	44	07/12/01	\$1,297,177.33	11,021
12829	BR 096A-033	Kramer Creek	32	10/04/01	\$1,924,231.57	2,968
13131	NH 0242-031	US 24 - Divide East	32	05/24/01	\$5,315,495.53	40,927
13390	IM 0252-342	I-25 Mevada/Tejon	49	01/11/01	\$26,646,684.30	30,149
13441	IM 0252-344	1-25 & Academy Blvd	45	04/05/01	\$1,865,867.20	17,597
13448	STA 012A-035	Trinidad State Park	53	06/07/01	\$1,329,116.20	21,278
13538	BR 0504-041	Otero Canal in La Junta	54	08/23/01	\$955,498.43	5,695
13539	BR 3501-009	SH 350 Bridge Replacemen	54	09/06/01	\$1,410,185.06	4,949
93200	BR 050-4(020)	W of Jct 71	17	01/18/01	\$737,391.06	3,452

Number of Projects 12

Total Quantity 215,183

Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quant
12305	BR 5502-031	Uncompangre River	12	05/17/01	\$1,757,494.40	6,308
13087	STR 135A-019	Y-Bar North & South	12	07/19/01	\$2,986,789.70	19,548
13106	STA 0641-011	East of Rangely	12	01/04/01	\$781,177.65	13,879
13108	STA 092A-015	Black Canyon	14	06/14/01	\$3,379,100.00	68,223
13109	STA 0141-013	East of Walden	14	03/08/01	\$1,100,201.59	24,044
13112	STA 0502-052	Cimarron	12	02/15/01	\$853,400.38	13,254
13325	NH 0501-045	Delta - South	11	03/15/01	\$3,772,520.01	59,068
13328	STA R300-072	Mach Pach Var Locations	12	01/18/01	\$325,267.35	2,636
13330	MC 330A-007	Mesa to Collbran	17	01/25/01	\$783,301.89	16,683
13485	STA 006A-034	Old P.O.E. West	16	08/02/01	\$2,218,924.56	19,908
13525	CC R300-084	Crawford State Park	12	01/18/01	\$273,964.00	3,274
13734	STA 0131-045	Rifle North	20	07/12/01	\$698,299.47	15,011
	Number of Pr	ojects 12	Total Que	antity 261,836		
Region:	4					
Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quan
13147	NH 0342-035	US 34 - 71St to 47th Ave	40	04/26/01	\$3,003,177.75	20,504
	Number of Pr	ojects 1	Total Qu	antity 20,504		
Region:	5					
Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quar
12801	NH 1602-076	US 160 & Piedra Rd Interse	25	03/22/01	\$518,091.20	3,318
13505	STA 1602-084	US 160 W. of Bayfield	8	02/01/01	\$2,799,421.82	30,021
13537	NH 1602-085	US 160 Treasure Falls	56	08/02/01	\$7,110,672.80	47,807
	Number of Pr	rojects 3	Total Qu	antity 81,146		
Region:	6					
Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Qua
13178	BR 0073-005	Hwy 7 @ Dry Creek	33	05/17/01	\$4,979,966.00	54,09
13275	IM 0761-182	1-76 @ 96th Ave	33	09/06/01	\$4,343,434.34	3,33
13349	STA 0062-014	US 6/Vasquez, I-70 to I-76	45	01/04/01	\$3,309,871.75	35,24

Totals: Projects with Bid Dates from 1/1/01 to 12/31/01

Number of Projects 33

Total Quantity 714,534

# Project Data

Projects with Bid Dates from 1/1/01 to 12/31/01

Subaccount:	11955	ST	4 1151-00	9 Big Tur	key Creek	Regio	n: 2	Supplier:	32
Mix Design No	: 178	Р	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	30.00	Mix Design I/DP:	\$17,728.64
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.		
AC	64	63731		87.705	0.98150	(\$10,609.99)	0.195		
Density	128	63731	0	93.688	1.02339	\$22,364.73	1.078	Den Mea	n: 93.91
Gradation	32	63731		90.627	1.01562	\$5,973.90		Grad Key Siev	e: No. 30
					Tons:		I/DP:		
Project Total	s 1195	5	Asphalt	t Content	63,731		(\$10,609.99)		
			Mat	Density	63,731		\$22,364.73		
			G	Gradation	63,731		\$5,973.90		
			Plan	Quantity	59,978	Project I/DP:	\$17,728.64		
Comment	s:								
Subaccount:	12305	BR	5502-031	Uncomp	oahgre Rive	er Regio	on: 3	Supplier:	12
Mix Design No	: 282	Р	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$	54.90	Mix Design I/DP:	(\$5,848.80)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	r I/DP	Std. Dev.		
AC	6	2083		100.000	1.03500	\$1,200.85	0.122		
Density	10	2083	0	62.787	0.86672	(\$7,621.49)	1.097	Den Mea	n: 92.37
Gradation	3	2083		80.471	1.02500	\$571.84		Grad Key Siev	e: No. 200
Mix Design No	o: 296	F	rocess No:	1 Gradii	ng: SX	Price Per Ton: \$	54.01	Mix Design I/DP:	\$1,040.32
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	r I/DP	Std. Dev.		
AC	3	1103		71.163	1.00552	\$98.71	0.182		
Density	3	1103	0	100.000	1.02500	\$744.72	1.114	Den Mea	n: 93.7
Gradation	3	1103		74.363	1.01652	\$196.89		Grad Key Siev	e: 3/8
Mix Design No	o: 301	F	rocess No:	1 Gradii	ng: SX	Price Per Ton: \$	60.46	Mix Design I/DP:	\$4,211.19
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	r I/DP	Std. Dev.		
AC	4	3670		90.598	1.03000	\$1,997.01	0.221		
Density	7	3220	0	83.422	1.00907	\$882.84	1.486	Den Mea	n: 93.771
Gradation	5	3670		100.000	1.03000	\$1,331.34		Grad Key Siev	re: Ali QLs10
					Tons:		I/DP:		
Project Total	ls 1230	75	Asphal	t Content	6,856		\$3,296.57		
			Ma	t Density	6,406		(\$5,993.93)		
			(	Gradation	6,856		\$2,100.07		
			Plan	Quantity	6,308	Project I/DP:	(\$597.29)		
Comment	s: Final	l quantiti	es don't ma	tch					

Comments: Final quantities don't match

Subaccount:	12390	IM (	0851-002	I-25 & S	SH 85	Reg	gion: 2	Supplier: 49
Mix Design No	: 186	Pr	ocess No:	1 Gradin	g: S	Price Per Ton	: \$30.00	Mix Design I/DP: \$7,859.55
•	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	7	7488		86.445	1.02162	\$1,457.31	0.178	
Density	14	7488	0	99.278	1.04500	\$5,054.40	0.646	Den Mean: 93.429
Gradation	4	7488		89.087	1.03000	\$1,347.84		Grad Key Sieve: No. 8
					Tons:		I/DP:	
Project Total:	s 12390	9		Content	7,488		\$1,457.31	
			Mat	Density	7,488		\$5,054.40	
			G	radation	7,488		\$1,347.84	
			Plan	Quantity	7,812	Project I/D	P: \$7,859.55	
Comments	<b>s</b> :							
Subaccount:	12391	NH	0242-028	Cascade	/Pikes Peal	k Hwy Reg	gion: 2	Supplier: 45
Mix Design No	: 185	Pr	rocess No:	1 Gradin	ıg: S	Price Per Ton	: \$42.02	Mix Design I/DP: (\$239.99)
-	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	·
AC	2	1999		•	1.00000	\$0.00		
Density	4	1999	0	100.000	1.03000	\$1,259,97	0.727	Den Mean: 94.825
Gradation	1	1999	_		0.91071	(\$1,499.96)		Grad Key Sieve:
Mix Design No	: 185	Pı	rocess No:	2 Gradir	na: S	Price Per Ton	: <b>\$</b> 42.02	Mix Design I/DP: (\$2,929.72)
•	Tests	Tons	PF 1.0	Quality Level	-		Std. Dev.	,
AC	8	8018	11 1.0	88.896	1.02665	\$2,694.08	0.169	
Density	16	8018	0	80.772	0.96855	(\$5,297.95)		Den Mean: 93,331
Gradation	4	8018	·	73.570	0.99516	(\$325.85)		Grad Key Sieve: No. 4
					Tons:		I/DP:	
Project Total	s 1230	1	Aenhali	Content	10,017		\$2,694.08	
rojeci roiui	3 1237	•	-	Density	10,017		(\$4,037.98)	
				Gradation	10,017		(\$1,825.81)	
			•	Quantity	9,357	Project I/D		
Comments	s:		1 1011	quantity	0,001	,	(40,100111)	
Subaccount:	12495	ST	U <b>0831-0</b> 7	78 Hwy 83	at Hodgen	Rd Re	gion: 2	Supplier: 44
Mix Design No	o: 182	Р	rocess No:	1 Gradii	ng: S	Price Per Tor	n: \$40.75	Mix Design I/DP: (\$19,291.16
_	Tests	Tons	PF 1.0	Quality Level	Pay Factor	· I/DP	Std. Dev.	
AC	12	11963		74.751	0.94192	(\$8,494.50)		
Density	24	11963	0	85.021	0.98415	(\$3,863.38)		Den Mean: 94.942
Gradation	5	10000		62.131	0.91493	(\$6,933.28)		Grad Key Sieve: No. 30
Mix Design No	 o: 182	P	rocess No:	2 Gradi	ng: S	Price Per Tor	n: <b>\$</b> 40.75	Mix Design I/DP: (\$9,999.03)
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	· I/DP	Std. Dev.	
	, 5010	. 0.10			,	\$0.00		
AC		0	0			\$0.00		Den Mean:
AC Density		U	-		0.37500	(\$9,999.03)	) <b>-</b>	Grad Key Sieve:
AC Density Gradation	1	1963			0.0.00			
Density	1				Tons:		l/DP:	
Density Gradation		1963	Aspha	t Content	Tons:			)
Density		1963		t Content	Tons: 11,963		(\$8,494.50)	
Density Gradation		1963	Ma	t Density	Tons: 11,963 11,963		(\$8,494.50) (\$3,863.38)	)
Density Gradation		1963	Ma		Tons: 11,963	Project I/I	(\$8,494.50) (\$3,863.38) (\$16,932.31)	)

Comments: 1 Test 2xV out - Gradation

	: 12524	IM	0252-323	1-25, US	85 Intersed	ction Region	n: 1	Supplier: 4	3
Mix Design N	o: 120618	l Pr	ocess No:	1 Gradin	g: S	Price Per Ton: \$4	4.72	Mix Design I/DP: (\$1	0,883.81
	Tests	Tons	<b>PF</b> 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	6	5206		70.313	0.94943	(\$3,531.72)	0.229		
Density	11	5206	0	80.773	0.98124	(\$2,183.89)	0.610	Den Mean:	92.536
Gradation	3	5206		50.000	0.88900	(\$5,168.20)		Grad Key Sieve:	No. 8
Mix Design N	lo: 517200	)2 Pı	rocess No:	1 Gradin	g: S	Price Per Ton: \$4	19.24	Mix Design I/DP: \$8	,241.30
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	5	4619		100.000	1.03000	\$2,046.96	0.147		
Density	11	4619	0	94.253	1.04447	\$5,057.14	0.570	Den Mean:	92.864
Gradation	3	4619		79.674	1.02500	\$1,137.20		Grad Key Sieve:	No. 200
Mix Design N	lo: PK190	3SH P	rocess No:	1 Gradin	g: S	Price Per Ton: \$4	14.72	Mix Design I/DP: \$1	2,694.40
	Tests	Tons	<b>PF 1.0</b>	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	9	7061		99.860	1.04000	\$3,789.22	0.109		
Density	17	7061	0	96.489	1.05000	\$7,894.20	0.634	Den Mean:	93.106
Gradation	4	7061		78.868	1.01601	\$1,010.98		Grad Key Sieve:	No. 8
					Tons:		I/DP:		
Project Tota	als 1252	4	Asphal	t Content	16,886		\$2,304.46		
_			•	Density	16,886		\$10,767.45		
				Gradation	16,886		(\$3,020.02)		
				Quantity	20,994	Project I/DP:	\$10,051.89		
Commen	its:			•					
Subaccount	: 12801	NH	1602-076	S US 160	& Piedra R	d Inte Regio	n: 5	Supplier: 2	25
Mix Design N	No: 146								E20 04
			rocess No:		ng: SX	Price Per Ton: \$4		Mix Design I/DP: \$3	3,530.94
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	Mix Design I/DP: \$3	3,530.94
AC	Tests 4	<b>Tons</b> 3466	<b>PF</b> 1.0	Quality Level 78.285	Pay Factor 1.01392	I/ <b>DP</b> \$680.16	Std. Dev. 0.183	-	
Density	Tests 4 7	<b>Tons</b> 3466 3466		Quality Level	Pay Factor 1.01392 1.03500	I/ <b>DP</b> \$680.16 \$2,850.78	Std. Dev. 0.183 0.923	Den Mean:	94.371
	Tests 4	<b>Tons</b> 3466	<b>PF</b> 1.0	Quality Level 78.285	Pay Factor 1.01392	I/ <b>DP</b> \$680.16	Std. Dev. 0.183	-	94.371
Density Gradation	Tests 4 7 2	Tons 3466 3466 3466	<b>PF</b> 1.0	Quality Level 78.285 98.026	Pay Factor 1.01392 1.03500 1.00000	I/ <b>DP</b> \$680.16 \$2,850.78	Std. Dev. 0.183 0.923	Den Mean:	94.371
Density Gradation	Tests 4 7 2	Tons 3466 3466 3466	<b>PF</b> 1.0	Quality Level 78.285	Pay Factor 1.01392 1.03500 1.00000 Tons: 3,466	I/ <b>DP</b> \$680.16 \$2,850.78	Std. Dev. 0.183 0.923  I/DP: \$680.16	Den Mean:	94.371
Density Gradation	Tests 4 7 2	Tons 3466 3466 3466	PF 1.0 0 Asphal	Quality Level 78.285 98.026 t Content t Density	Pay Factor 1.01392 1.03500 1.00000 Tons: 3,466 3,466	I/ <b>DP</b> \$680.16 \$2,850.78	Std. Dev. 0.183 0.923  I/DP: \$680.16 \$2,850.78	Den Mean:	94.371
Density	Tests 4 7 2	Tons 3466 3466 3466	PF 1.0 0 Asphal	Quality Level 78.285 98.026 t Content	Pay Factor 1.01392 1.03500 1.00000 Tons: 3,466	I/ <b>DP</b> \$680.16 \$2,850.78	Std. Dev. 0.183 0.923  I/DP: \$680.16	Den Mean:	94.371
Density Gradation	Tests 4 7 2	Tons 3466 3466 3466	PF 1.0 0 Asphal	Quality Level 78.285 98.026 t Content t Density	Pay Factor 1.01392 1.03500 1.00000 Tons: 3,466 3,466	I/ <b>DP</b> \$680.16 \$2,850.78	Std. Dev. 0.183 0.923  I/DP: \$680.16 \$2,850.78	Den Mean:	94.371
Density Gradation	Tests 4 7 2 als 1280	Tons 3466 3466 3466	PF 1.0 0 Asphal	Quality Level 78.285 98.026 t Content t Density Gradation	Pay Factor 1.01392 1.03500 1.00000 Tons: 3,466 3,466 3,466	I/DP \$680.16 \$2,850.78 \$0.00	Std. Dev. 0.183 0.923  I/DP: \$680.16 \$2,850.78 \$0.00	Den Mean:	94.371
Density Gradation  Project Total Commer	Tests 4 7 2 als 1280	Tons 3466 3466 3466	PF 1.0 0 Asphal	Quality Level 78.285 98.026 t Content t Density Gradation Quantity	Pay Factor 1.01392 1.03500 1.00000 Tons: 3,466 3,466 3,466 3,318	I/DP \$680.16 \$2,850.78 \$0.00	VDP: \$680.16 \$2,850.78 \$0.00 \$3,530.94	Den Mean: Grad Key Sieve:	94.371
Density Gradation Project Total	Tests 4 7 2 als 1280 nts:	Tons 3466 3466 3466	PF 1.0 0 Aspha Ma Plan	Quality Level 78.285 98.026  t Content t Density Gradation Quantity  Kramer	Pay Factor 1.01392 1.03500 1.00000 Tons: 3,466 3,466 3,466 3,318	I/DP \$680.16 \$2,850.78 \$0.00 Project I/DP:	\$td. Dev. 0.183 0.923 I/DP: \$680.16 \$2,850.78 \$0.00 \$3,530.94	Den Mean: Grad Key Sieve:	94.371
Density Gradation  Project Total Commer	Tests 4 7 2 als 1280 nts:	Tons 3466 3466 3466	PF 1.0 0 Asphal Ma Plan	Quality Level 78.285 98.026  t Content t Density Gradation Quantity  Kramer	Pay Factor 1.01392 1.03500 1.00000 Tons: 3,466 3,466 3,466 3,318	I/DP \$680.16 \$2,850.78 \$0.00 Project I/DP:	\$td. Dev. 0.183 0.923 I/DP: \$680.16 \$2,850.78 \$0.00 \$3,530.94	Den Mean: Grad Key Sieve: Supplier:	94.371
Density Gradation  Project Total Commer	Tests 4 7 2 als 1286 nts: t: 12829 No: 210	Tons 3466 3466 3466 3466	PF 1.0  O  Aspha  Ma  Plan  2 096A-03	Quality Level 78.285 98.026  t Content t Density Gradation Quantity  Kramer  1 Gradie	Pay Factor 1.01392 1.03500 1.00000 Tons: 3,466 3,466 3,466 3,318	I/DP \$680.16 \$2,850.78 \$0.00 Project I/DP:	\$td. Dev. 0.183 0.923 I/DP: \$680.16 \$2,850.78 \$0.00 \$3,530.94	Den Mean: Grad Key Sieve: Supplier:	94.371
Density Gradation  Project Total  Commer  Subaccount  Mix Design 1	Tests 4 7 2 als 1280 nts: t: 12829 No: 210 Tests 3	Tons 3466 3466 3466 3466 PR Tons 3000	PF 1.0  O  Aspha  Ma  Plan  2 096A-03	Quality Level 78.285 98.026  t Content t Density Gradation Quantity  Kramer  1 Gradii Quality Level	Pay Factor 1.01392 1.03500 1.00000 Tons: 3,466 3,466 3,466 3,318	1/DP \$680.16 \$2,850.78 \$0.00 Project I/DP: Region	\$td. Dev. 0.183 0.923 I/DP: \$680.16 \$2,850.78 \$0.00 \$3,530.94	Den Mean: Grad Key Sieve: Supplier:	94.371 32 1,274.67
Density Gradation  Project Total Commer Subaccount Mix Design I	Tests 4 7 2 als 1286 nts: t: 12829 No: 210 Tests	Tons 3466 3466 3466 3466 91	PF 1.0  Asphal Ma Plan  Process No PF 1.0	Quality Level 78.285 98.026  t Content t Density Gradation Quantity   Kramer  1 Gradii Quality Level 64.508	Pay Factor 1.01392 1.03500 1.00000  Tons: 3,466 3,466 3,466 3,318  - Creek  ng: S  Pay Factor 0.97707	I/DP \$680.16 \$2,850.78 \$0.00 Project I/DP: Region	Std. Dev. 0.183 0.923 I/DP: \$680.16 \$2,850.78 \$0.00 \$3,530.94  200.22	Den Mean: Grad Key Sieve:  Supplier:  Mix Design I/DP: \$	94.371 32 1,274.67 : 94.083
Density Gradation  Project Total  Commer  Subaccount  Mix Design to AC  Density	Tests 4 7 2 als 1280 nts: t: 12829 No: 210 Tests 3 6	Tons 3466 3466 3466 Tons 3000 3000	PF 1.0  Asphal Ma Plan  Process No PF 1.0	Quality Level 78.285 98.026  t Content t Density Gradation Quantity   Kramer  1 Gradii Quality Level 64.508	Pay Factor 1.01392 1.03500 1.00000  Tons: 3,466 3,466 3,466 3,318  - Creek  ng: S  Pay Factor 0.97707 1.03500 1.00000	I/DP \$680.16 \$2,850.78 \$0.00 Project I/DP: Regio Price Per Ton: \$ r I/DP (\$825.33) \$2,100.00	Std. Dev. 0.183 0.923 I/DP: \$680.16 \$2,850.78 \$0.00 \$3,530.94  240.00 Std. Dev. 0.295 1.109	Den Mean: Grad Key Sieve:  Supplier:  Mix Design I/DP: \$	94.371 32 1,274.67 : 94.083
Density Gradation  Project Total  Commer  Subaccount  Mix Design I  AC  Density Gradation	Tests 4 7 2 als 1280 nts: t: 12829 No: 210 Tests 3 6 2	Tons 3466 3466 3466 3466 71 Tons 3000 3000 4000	PF 1.0  O  Asphai  Ma  Plan  Process No  PF 1.0  O	Quality Level 78.285 98.026  t Content t Density Gradation Quantity  Kramer 1 Gradii Quality Level 64.508 97.866	Pay Factor 1.01392 1.03500 1.00000  Tons: 3,466 3,466 3,466 3,318  - Creek  ng: S  Pay Factor 0.97707 1.03500 1.00000  Tons:	I/DP \$680.16 \$2,850.78 \$0.00 Project I/DP: Regio Price Per Ton: \$ r I/DP (\$825.33) \$2,100.00	\$td. Dev.  0.183 0.923  I/DP: \$680.16 \$2,850.78 \$0.00 \$3,530.94   200.22  40.00  Std. Dev.  0.295 1.109  I/DP:	Den Mean: Grad Key Sieve:  Supplier:  Mix Design I/DP: \$  Den Mean Grad Key Sieve	94.371 32 1,274.67 : 94.083
Density Gradation  Project Total  Commer  Subaccount  Mix Design to AC  Density	Tests 4 7 2 als 1280 nts: t: 12829 No: 210 Tests 3 6 2	Tons 3466 3466 3466 3466 71 Tons 3000 3000 4000	PF 1.0  O  Asphai Ma Plan  Process No PF 1.0  O  Aspha	Quality Level 78.285 98.026  t Content t Density Gradation Quantity  Kramer 1 Gradii Quality Level 64.508 97.866	Pay Factor 1.01392 1.03500 1.00000  Tons: 3,466 3,466 3,466 3,318  • Creek  ng: S  Pay Factor 0.97707 1.03500 1.00000  Tons: 3,000	I/DP \$680.16 \$2,850.78 \$0.00 Project I/DP: Regio Price Per Ton: \$ r I/DP (\$825.33) \$2,100.00	\$td. Dev.  0.183 0.923  I/DP: \$680.16 \$2,850.78 \$0.00 \$3,530.94   200.20  5td. Dev.  0.295 1.109  I/DP: (\$825.33)	Den Mean: Grad Key Sieve:  Supplier:  Mix Design I/DP: \$  Den Mean Grad Key Sieve	94.371 32 1,274.67 : 94.083
Density Gradation  Project Total  Commer  Subaccount  Mix Design I  AC  Density Gradation	Tests 4 7 2 als 1280 nts: t: 12829 No: 210 Tests 3 6 2	Tons 3466 3466 3466 3466 71 Tons 3000 3000 4000	PF 1.0  O  Aspha Ma Plan  Process No PF 1.0  O  Aspha Ms	Quality Level 78.285 98.026  t Content t Density Gradation Quantity  Kramer 1 Gradii Quality Level 64.508 97.866	Pay Factor 1.01392 1.03500 1.00000  Tons: 3,466 3,466 3,466 3,318  • Creek  ng: S  Pay Factor 0.97707 1.03500 1.00000  Tons: 3,000 3,000	I/DP \$680.16 \$2,850.78 \$0.00 Project I/DP: Regio Price Per Ton: \$ r I/DP (\$825.33) \$2,100.00	\$td. Dev.  0.183 0.923  I/DP: \$680.16 \$2,850.78 \$0.00 \$3,530.94   2  40.00  \$td. Dev.  0.295 1.109  I/DP: (\$825.33) \$2,100.00	Den Mean: Grad Key Sieve:  Supplier:  Mix Design I/DP: \$  Den Mean Grad Key Sieve	94.371 32 1,274.67 : 94.083
Density Gradation  Project Total  Commer  Subaccount  Mix Design I  AC  Density Gradation	Tests 4 7 2 als 1280 nts: t: 12829 No: 210 Tests 3 6 2	Tons 3466 3466 3466 3466 71 Tons 3000 3000 4000	PF 1.0  Asphal Ma Plan  Process No PF 1.0  Aspha Ma	Quality Level 78.285 98.026  t Content t Density Gradation Quantity  3 Kramer 1 Gradi Quality Level 64.508 97.866	Pay Factor 1.01392 1.03500 1.00000  Tons: 3,466 3,466 3,466 3,318  • Creek  ng: S  Pay Factor 0.97707 1.03500 1.00000  Tons: 3,000 3,000 4,000	I/DP \$680.16 \$2,850.78 \$0.00 Project I/DP: Region Price Per Ton: \$ r I/DP (\$825.33) \$2,100.00 \$0.00	Std. Dev. 0.183 0.923  I/DP: \$680.16 \$2,850.78 \$0.00 \$3,530.94  Dev. 0.295 1.109  I/DP: (\$825.33) \$2,100.00 \$0.00	Den Mean: Grad Key Sieve:  Supplier:  Mix Design I/DP: \$  Den Mean Grad Key Sieve	94.371 32 1,274.67 : 94.083
Density Gradation  Project Total  Commer  Subaccount  Mix Design I  AC  Density Gradation	Tests 4 7 2 als 1280 nts: t: 12829 No: 210 Tests 3 6 2	Tons 3466 3466 3466 3466 71 Tons 3000 3000 4000	PF 1.0  Asphal Ma Plan  Process No PF 1.0  Aspha Ma	Quality Level 78.285 98.026  t Content t Density Gradation Quantity  Kramer 1 Gradii Quality Level 64.508 97.866	Pay Factor 1.01392 1.03500 1.00000  Tons: 3,466 3,466 3,466 3,318  • Creek  ng: S  Pay Factor 0.97707 1.03500 1.00000  Tons: 3,000 3,000	I/DP \$680.16 \$2,850.78 \$0.00 Project I/DP: Regio Price Per Ton: \$ r I/DP (\$825.33) \$2,100.00	Std. Dev. 0.183 0.923  I/DP: \$680.16 \$2,850.78 \$0.00 \$3,530.94  Dev. 0.295 1.109  I/DP: (\$825.33) \$2,100.00 \$0.00	Den Mean: Grad Key Sieve:  Supplier:  Mix Design I/DP: \$  Den Mean Grad Key Sieve	94.371 32 1,274.67 : 94.083

ubaccouni	. 15000				oyd Hill - Id	ano Kegi	on: 1	Supplier: 14
Mix Design N	No: 11263	8-2 P	rocess No:	1 Gradin	g: S	Price Per Ton: \$	\$45.00	Mix Design I/DP: \$1,757.87
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	4	1575		78.868	1.01601	\$340.37	0.225	
Density	4	1575	0	100.000	1.03000	\$1,063.13	0.763	Den Mean: 94.32
Gradation	1	1575			1.02500	\$354.37	••••	Grad Key Sieve:
Mix Design N	No: 13151	1 P	rocess No:	1 Gradin	g: S	Price Per Ton: \$		Mix Design I/DP: \$12,325.5
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	22	21798		90.516	1.02048	\$6,025.64	0.174	
Density	10	5000	0	90.023	1.02813	\$3,164.35	1.152	Den Mean: 94.52
Gradation	11	21798		87.571	1.01598	\$3,135.52		Grad Key Sieve: No. 20
Mix Design N	No: 13151	1 P	rocess No:	2 Gradin	ıg: S	Price Per Ton: \$	45.00	Mix Design I/DP: (\$16,594.
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC				•	•	\$0.00		
Density	33	16500	0	82.114	0.95530	(\$16,594.98)	1.470	Den Mean: 94.28
Gradation						\$0.00		Grad Key Sieve:
Mix Design N	No: 13151	1 P	rocess No:	3 Gradin	ıg: S	Price Per Ton: \$	\$45.00	Mix Design I/DP: \$0.00
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC				,		\$0.00		
Density	1	298	0		1.00000	\$0.00		Den Mean:
Gradation						\$0.00		Grad Key Sieve:
Project Tota	als 1300	8	Asphali	t Content	23,373		\$6,366.01	
Project Tot	als 1300	8	Mat	t Density Gradation	23,373 23,373		\$6,366.01 (\$12,367.50) \$3,489.89	
Project Tot			Mar ( Plan	t Density Gradation Quantity	23,373 23,373 22,198	Project I/DP:	(\$12,367.50) \$3,489.89	
			Mar ( Plan	t Density Gradation	23,373 23,373 22,198	•	(\$12,367.50) \$3,489.89	
	nts: Grad	ation tes	Mar ( Plan	t Density Gradation Quantity me. Density pr	23,373 23,373 22,198	't follow.	(\$12,367.50) \$3,489.89	Supplier: 12
Commer	nts: Grad	ation tes	Ma ( Plan ts all the sa	t Density Gradation Quantity me. Density pr	23,373 23,373 22,198 ocesses don	't follow.	(\$12,367.50) \$3,489.89 (\$2,511.60)	<i>Supplier:</i> 12  Mix Design I/DP: (\$11,925
Commer Subaccount	nts: Grad	ation tes	Man Plan ts all the sa	t Density Gradation Quantity me. Density pr	23,373 23,373 22,198 ocesses don forth & Sou	t follow.  th Region	(\$12,367.50) \$3,489.89 (\$2,511.60)	
Commer Subaccount	nts: Grad t: 13087	STA	Plan ts all the sa	t Density Gradation Quantity me. Density pr  19 Y-Bar N  1 Gradin	23,373 23,373 22,198 ocesses don forth & Sou	t follow.  th Region	(\$12,367.50) \$3,489.89 (\$2,511.60) on: 3	
Commer Subaccount Mix Design N	nts: Grad t: 13087 No: 310 Tests	STA	Plan ts all the sa	t Density Gradation Quantity me. Density pr  19 Y-Bar N  1 Gradir Quality Level	23,373 23,373 22,198 occesses don forth & Sounds: SX Pay Factor	t follow.  th Region  Price Per Ton: \$ //DP	(\$12,367.50) \$3,489.89 (\$2,511.60) on: 3 \$42.59 Std. Dev.	
Commercial	nts: Grad t: 13087 No: 310 Tests 6	STA	Plan ts all the sa R 135A-01 rocess No:	t Density Gradation Quantity me. Density pr  19 Y-Bar N  1 Gradir Quality Level 99.556	23,373 23,373 22,198 occesses don forth & Sou ng: SX Pay Factor 1.03500	th Region Price Per Ton: \$  I/DP \$2,809.95	(\$12,367.50) \$3,489.89 (\$2,511.60) on: 3 \$42.59 Std. Dev. 0.146	Mix Design I/DP: (\$11,925
Commercial	t: 13087 No: 310 Tests 6 12 3	STA F Tons 6284 6284 6284	Plan ts all the sa R 135A-01 rocess No: PF 1.0	t Density Gradation Quantity Ime. Density pr  1 Gradir Quality Level 99.556 75.296 46.341	23,373 23,373 22,198 occesses don forth & Sou ng: SX Pay Factor 1.03500 0.94542	rt follow.  th Region  Price Per Ton: \$ //DP \$2,809.95 (\$7,303.48)	(\$12,367.50) \$3,489.89 (\$2,511.60) on: 3 \$42.59 Std. Dev. 0.146 1.321	Mix Design I/DP: (\$11,925
Commercial	t: 13087 No: 310 Tests 6 12 3	STA F Tons 6284 6284 6284	Plan ts all the sa R 135A-01 rocess No: PF 1.0	t Density Gradation Quantity me. Density pr  1	23,373 23,373 22,198 occesses don forth & Sou ng: SX Pay Factor 1.03500 0.94542 0.86115	Price Per Ton: \$  1/DP \$2,809.95 (\$7,303.48) (\$7,431.66)  Price Per Ton: \$	(\$12,367.50) \$3,489.89 (\$2,511.60) on: 3 \$42.59 Std. Dev. 0.146 1.321	Mix Design I/DP: (\$11,925  Den Mean: 95.06  Grad Key Sieve: No. 36
Commercial	nts: Grad  t: 13087  No: 310  Tests 6 12 3  No: 60130  Tests	STA F Tons 6284 6284 6284 6284 2A-1 F Tons	Plan ts all the sa R 135A-01 rocess No: PF 1.0 0	t Density Gradation Quantity me. Density pr  1 Gradir Quality Level 99.556 75.296 46.341  1 Gradir Quality Level	23,373 23,373 22,198 occesses don forth & Sou ng: SX Pay Factor 1.03500 0.94542 0.86115 ng: SX Pay Factor	Price Per Ton: \$  1/DP \$2,809.95 (\$7,303.48) (\$7,431.66)  Price Per Ton: \$ 1/DP	(\$12,367.50) \$3,489.89 (\$2,511.60) on: 3 \$42.59 Std. Dev. 0.146 1.321	Mix Design I/DP: (\$11,925  Den Mean: 95.06  Grad Key Sieve: No. 36
Commercial	nts: Grad  t: 13087  No: 310  Tests 6 12 3  No: 60130  Tests 9	STA F Tons 6284 6284 6284 2A-1 F Tons 8347	Plan ts all the sa R 135A-01 Process No: PF 1.0  Orocess No: PF 1.0	t Density Gradation Quantity me. Density pr  1 Gradir Quality Level 99.556 75.296 46.341  1 Gradir Quality Level 79.455	23,373 23,373 22,198 occesses don forth & Sou ag: SX Pay Factor 1.03500 0.94542 0.86115 pg: SX Pay Factor 0.97921	Price Per Ton: \$  1/DP \$2,809.95 (\$7,303.48) (\$7,431.66)  Price Per Ton: \$  1/DP (\$2,446.79)	(\$12,367.50) \$3,489.89 (\$2,511.60) on: 3 \$42.59 Std. Dev. 0.146 1.321  \$47.00 Std. Dev. 0.142	Mix Design I/DP: (\$11,925  Den Mean: 95.06  Grad Key Sieve: No. 36
Commercial	nts: Grad  t: 13087  No: 310  Tests 6 12 3  No: 60130  Tests	STA F Tons 6284 6284 6284 6284 2A-1 F Tons	Plan ts all the sa R 135A-01 rocess No: PF 1.0 0	t Density Gradation Quantity me. Density pr  1 Gradir Quality Level 99.556 75.296 46.341  1 Gradir Quality Level	23,373 23,373 22,198 occesses don forth & Sou ng: SX Pay Factor 1.03500 0.94542 0.86115 ng: SX Pay Factor	Price Per Ton: \$  1/DP \$2,809.95 (\$7,303.48) (\$7,431.66)  Price Per Ton: \$ 1/DP	(\$12,367.50) \$3,489.89 (\$2,511.60) on: 3 \$42.59 Std. Dev. 0.146 1.321  \$47.00 Std. Dev.	Den Mean: 95.06 Grad Key Sieve: No. 36 Mix Design I/DP: \$6,700.15
Commercial	nts: Grad  t: 13087  No: 310  Tests 6 12 3  No: 60130  Tests 9 17 5	STA F Tons 6284 6284 6284 2A-1 F Tons 8347 8347	Plan ts all the sa R 135A-01 rocess No: PF 1.0 0 rocess No: PF 1.0 0	t Density Gradation Quantity Ime. Density pr  79 Y-Bar N  1 Gradir Quality Level 99.556 75.296 46.341  1 Gradir Quality Level 79.455 92.621 88.101	23,373 23,373 22,198 occesses don forth & Sou 19: SX Pay Factor 1.03500 0.94542 0.86115 ng: SX Pay Factor 0.97921 1.03463	rt follow.  Ath Region  Price Per Ton: \$  I/DP  \$2,809.95  (\$7,303.48)  (\$7,431.66)  Price Per Ton: \$  I/DP  (\$2,446.79)  \$6,793.07	(\$12,367.50) \$3,489.89 (\$2,511.60) on: 3 \$42.59 Std. Dev. 0.146 1.321  \$47.00 Std. Dev. 0.142 1.026 	Den Mean: 95.06 Grad Key Sieve: No. 36 Mix Design I/DP: \$6,700.15
Commercial	nts: Grad  t: 13087  No: 310  Tests 6 12 3  No: 60130  Tests 9 17 5	FTONS 6284 6284 6284 2A-1 FTONS 8347 8347 8347	Plan ts all the sa R 135A-01 rocess No: PF 1.0 0 rocess No: PF 1.0 0	t Density Gradation Quantity Ime. Density pr  1 Gradir Quality Level 99.556 75.296 46.341  1 Gradir Quality Level 79.455 92.621 88.101  1 Gradir	23,373 23,373 22,198 occesses don forth & Sou g: SX Pay Factor 1.03500 0.94542 0.86115 ng: SX Pay Factor 0.97921 1.03463 1.03000	th follow.  Price Per Ton: \$  I/DP \$2,809.95 (\$7,303.48) (\$7,431.66)  Price Per Ton: \$  I/DP (\$2,446.79) \$6,793.07 \$2,353.90  Price Per Ton: \$	(\$12,367.50) \$3,489.89 (\$2,511.60) on: 3 \$42.59 Std. Dev. 0.146 1.321  \$47.00 Std. Dev. 0.142 1.026 	Den Mean: 95.06 Grad Key Sieve: No. 36  Den Mean: 93.48 Grad Key Sieve: No. 4
Commercial	nts: Grad  t: 13087  No: 310  Tests 6 12 3  No: 60130  Tests 9 17 5  No: 60130  Tests	FTons 6284 6284 6284 2A-1 FTons 8347 8347 2A-1 FTons	Plan ts all the sa R 135A-01 rocess No: PF 1.0 0 rocess No: PF 1.0 0	t Density Gradation Quantity me. Density pr  1 Gradir Quality Level 99.556 75.296 46.341  1 Gradir Quality Level 79.455 92.621 88.101  1 Gradir Quality Level Quality Level 79.455	23,373 23,373 22,198 occesses don forth & Sou g: SX Pay Factor 1.03500 0.94542 0.86115 ng: SX Pay Factor 0.97921 1.03463 1.03000 ng: SX	rt follow.  Ath Region Price Per Ton: \$  I/DP \$2,809.95 (\$7,303.48) (\$7,431.66)  Price Per Ton: \$  I/DP (\$2,446.79) \$6,793.07 \$2,353.90  Price Per Ton: \$  I/DP	(\$12,367.50) \$3,489.89 (\$2,511.60) 601: 3 \$42.59 Std. Dev. 0.146 1.321  \$47.00 Std. Dev. 0.142 1.026  \$42.63 Std. Dev.	Den Mean: 95.06 Grad Key Sieve: No. 36  Mix Design I/DP: \$6,700.16  Den Mean: 93.48 Grad Key Sieve: No. 4
Commercial	nts: Grad  t: 13087  No: 310  Tests 6 12 3  No: 60130  Tests 9 17 5  No: 60130  Tests 5	### Accordance	Plan ts all the sa R 135A-01 rocess No: PF 1.0 0 rocess No: PF 1.0 0 Process No: PF 1.0	t Density Gradation Quantity me. Density pr  1 Gradir Quality Level 99.556 75.296 46.341  1 Gradir Quality Level 79.455 92.621 88.101  1 Gradir Quality Level 93.738	23,373 23,373 22,198 occesses don forth & Sou g: SX Pay Factor 1.03500 0.94542 0.86115 ng: SX Pay Factor 0.97921 1.03463 1.03000 ng: SX Pay Factor 1.03000	th follow.  The Region of the	(\$12,367.50) \$3,489.89 (\$2,511.60) on: 3 \$42.59 Std. Dev. 0.146 1.321  \$47.00 Std. Dev. 0.142 1.026  \$42.63 Std. Dev. 0.176	Den Mean: 95.06 Grad Key Sieve: No. 36 Mix Design I/DP: \$6,700.15  Den Mean: 93.48 Grad Key Sieve: No. 4  Mix Design I/DP: \$3,605.75
Commercial	nts: Grad  t: 13087  No: 310  Tests 6 12 3  No: 60130  Tests 9 17 5  No: 60130  Tests 5 10	### Accordance	Plan ts all the sa R 135A-01 rocess No: PF 1.0 0 rocess No: PF 1.0 0	t Density Gradation Quantity Ime. Density pr  1 Gradir Quality Level 99.556 75.296 46.341  1 Gradir Quality Level 79.455 92.621 88.101  1 Gradir Quality Level 93.738 96.526	23,373 23,373 23,373 22,198 occesses don forth & Sou g: SX Pay Factor 1.03500 0.94542 0.86115 ng: SX Pay Factor 0.97921 1.03463 1.03000 ng: SX Pay Factor 1.03000 1.04500	th Region Price Per Ton: \$\frac{1}{3}\frac{1}{3}\text{Price Per Ton: \$\frac{1}{3}\text{Price Per Ton: \$\frac{1}{3}Price Per To	(\$12,367.50) \$3,489.89 (\$2,511.60) 601: 3 \$42.59 Std. Dev. 0.146 1.321  \$47.00 Std. Dev. 0.142 1.026  \$42.63 Std. Dev.	Den Mean: 95.06 Grad Key Sieve: No. 36 Mix Design I/DP: \$6,700.15 Den Mean: 93.48 Grad Key Sieve: No. 4  Mix Design I/DP: \$3,605.75  Den Mean: 94.28
Commercial	nts: Grad  t: 13087  No: 310  Tests 6 12 3  No: 60130  Tests 9 17 5  No: 60130  Tests 5	### Accordance	Plan ts all the sa R 135A-01 rocess No: PF 1.0 0 rocess No: PF 1.0 0 Process No: PF 1.0	t Density Gradation Quantity me. Density pr  1 Gradir Quality Level 99.556 75.296 46.341  1 Gradir Quality Level 79.455 92.621 88.101  1 Gradir Quality Level 93.738	23,373 23,373 22,198 occesses don forth & Sou g: SX Pay Factor 1.03500 0.94542 0.86115 ng: SX Pay Factor 0.97921 1.03463 1.03000 ng: SX Pay Factor 1.03000 1.04500 0.93232	th follow.  The Region of the	(\$12,367.50) \$3,489.89 (\$2,511.60) 601: 3 \$42.59 Std. Dev. 0.146 1.321  \$47.00 Std. Dev. 0.142 1.026  \$42.63 Std. Dev. 0.176 1.000 	Den Mean: 95.06 Grad Key Sieve: No. 36 Mix Design I/DP: \$6,700.15  Den Mean: 93.48 Grad Key Sieve: No. 4  Mix Design I/DP: \$3,605.75
Commercial	nts: Grad  t: 13087  No: 310  Tests 6 12 3  No: 60130  Tests 9 17 5  No: 60130  Tests 5 10 3	### Accordance	Plan ts all the sa R 135A-01 rocess No: PF 1.0 0 Process No: PF 1.0 0	t Density Gradation Quantity me. Density pr  1 Gradir Quality Level 99.556 75.296 46.341  1 Gradir Quality Level 79.455 92.621 88.101  1 Gradir Quality Level 93.738 96.526 56.409	23,373 23,373 22,198 occesses don forth & Sou g: SX Pay Factor 1.03500 0.94542 0.86115 ng: SX Pay Factor 0.97921 1.03463 1.03000 ng: SX Pay Factor 1.03000 1.04500 0.93232 Tons:	th Region Price Per Ton: \$\frac{1}{3}\frac{1}{3}\text{Price Per Ton: \$\frac{1}{3}\text{Price Per Ton: \$\frac{1}{3}Price Per To	(\$12,367.50) \$3,489.89 (\$2,511.60) 601: 3 \$42.59 Std. Dev. 0.146 1.321  \$47.00 Std. Dev. 0.142 1.026  \$42.63 Std. Dev. 0.176 1.000 	Den Mean: 95.06 Grad Key Sieve: No. 36 Mix Design I/DP: \$6,700.15 Den Mean: 93.48 Grad Key Sieve: No. 4  Mix Design I/DP: \$3,605.75  Den Mean: 94.28
Commercial	nts: Grad  t: 13087  No: 310  Tests 6 12 3  No: 60130  Tests 9 17 5  No: 60130  Tests 5 10 3	### Accordance	Plan ts all the sa R 135A-01 rocess No: PF 1.0 0 Process No: PF 1.0 0 Asphal	t Density Gradation Quantity Ime. Density pr  1 Gradir Quality Level 99.556 75.296 46.341  1 Gradir Quality Level 79.455 92.621 88.101  1 Gradir Quality Level 93.738 96.526 56.409	23,373 23,373 22,198 occesses don forth & Sou g: SX Pay Factor 1.03500 0.94542 0.86115 ng: SX Pay Factor 0.97921 1.03463 1.03000 ng: SX Pay Factor 1.03000 1.04500 0.93232 Tons: 19,340	th Region Price Per Ton: \$\frac{1}{3}\frac{1}{3}\text{Price Per Ton: \$\frac{1}{3}\text{Price Per Ton: \$\frac{1}{3}Price Per To	(\$12,367.50) \$3,489.89 (\$2,511.60) 601: 3 \$42.59 Std. Dev. 0.146 1.321  \$47.00 Std. Dev. 0.142 1.026  \$42.63 Std. Dev. 0.176 1.000  1/DP: \$2,169.71	Den Mean: 95.06 Grad Key Sieve: No. 36 Mix Design I/DP: \$6,700.15 Den Mean: 93.48 Grad Key Sieve: No. 4  Mix Design I/DP: \$3,605.75  Den Mean: 94.28
Commercial	nts: Grad  t: 13087  No: 310  Tests 6 12 3  No: 60130  Tests 9 17 5  No: 60130  Tests 5 10 3	### Accordance	Plan ts all the sa R 135A-01 rocess No: PF 1.0 0 Process No: PF 1.0 0 Asphal	t Density Gradation Quantity me. Density pr  1 Gradir Quality Level 99.556 75.296 46.341  1 Gradir Quality Level 79.455 92.621 88.101  1 Gradir Quality Level 93.738 96.526 56.409	23,373 23,373 22,198 occesses don forth & Sou g: SX Pay Factor 1.03500 0.94542 0.86115 ng: SX Pay Factor 0.97921 1.03463 1.03000 ng: SX Pay Factor 1.03000 1.04500 0.93232 Tons:	th Region Price Per Ton: \$\frac{1}{3}\frac{1}{3}\text{Price Per Ton: \$\frac{1}{3}\text{Price Per Ton: \$\frac{1}{3}Price Per To	(\$12,367.50) \$3,489.89 (\$2,511.60) 601: 3 \$42.59 Std. Dev. 0.146 1.321  \$47.00 Std. Dev. 0.142 1.026  \$42.63 Std. Dev. 0.176 1.000  \$2,169.71 \$4,005.97	Den Mean: 95.06 Grad Key Sieve: No. 36  Mix Design I/DP: \$6,700.16  Den Mean: 93.48 Grad Key Sieve: No. 4  Mix Design I/DP: \$3,605.76  Den Mean: 94.28 Grad Key Sieve: No. 3
Commercial	nts: Grad  t: 13087  No: 310  Tests 6 12 3  No: 60130  Tests 9 17 5  No: 60130  Tests 5 10 3	### Accordance	Plan ts all the sa R 135A-01 rocess No: PF 1.0 0 Process No: PF 1.0 0 Asphal	t Density Gradation Quantity Ime. Density pr  1 Gradir Quality Level 99.556 75.296 46.341  1 Gradir Quality Level 79.455 92.621 88.101  1 Gradir Quality Level 93.738 96.526 56.409	23,373 23,373 22,198 occesses don forth & Sou g: SX Pay Factor 1.03500 0.94542 0.86115 ng: SX Pay Factor 0.97921 1.03463 1.03000 ng: SX Pay Factor 1.03000 1.04500 0.93232 Tons: 19,340	th Region Price Per Ton: \$\frac{1}{3}\frac{1}{3}\text{Price Per Ton: \$\frac{1}{3}\text{Price Per Ton: \$\frac{1}{3}Price Per To	(\$12,367.50) \$3,489.89 (\$2,511.60) 601: 3 \$42.59 Std. Dev. 0.146 1.321  \$47.00 Std. Dev. 0.142 1.026  \$42.63 Std. Dev. 0.176 1.000  1/DP: \$2,169.71	Den Mean: 95.06 Grad Key Sieve: No. 36  Mix Design I/DP: \$6,700.16  Den Mean: 93.48 Grad Key Sieve: No. 4  Mix Design I/DP: \$3,605.76  Den Mean: 94.28 Grad Key Sieve: No. 3
Commercial	nts: Grad  t: 13087  No: 310  Tests 6 12 3  No: 60130  Tests 9 17 5  No: 60130  Tests 5 10 3	### Accordance	Plan ts all the sa R 135A-01 rocess No: PF 1.0 0 Process No: PF 1.0 0 Asphal	t Density Gradation Quantity Ime. Density pr  1 Gradir Quality Level 99.556 75.296 46.341  1 Gradir Quality Level 79.455 92.621 88.101  1 Gradir Quality Level 93.738 96.526 56.409  t Content t Density	23,373 23,373 23,373 22,198 occesses don forth & Sou g: SX Pay Factor 1.03500 0.94542 0.86115 ng: SX Pay Factor 0.97921 1.03463 1.03000 ng: SX Pay Factor 1.03000 1.04500 0.93232 Tons: 19,340 19,340	th Region Price Per Ton: \$\frac{1}{3}\frac{1}{3}\text{Price Per Ton: \$\frac{1}{3}\text{Price Per Ton: \$\frac{1}{3}Price Per To	(\$12,367.50) \$3,489.89 (\$2,511.60) 601: 3 \$42.59 Std. Dev. 0.146 1.321  \$47.00 Std. Dev. 0.142 1.026  \$42.63 Std. Dev. 0.176 1.000  1/DP: \$2,169.71 \$4,005.97 (\$7,794.90)	Den Mean: 95.06 Grad Key Sieve: No. 36  Mix Design I/DP: \$6,700.15  Den Mean: 93.48 Grad Key Sieve: No. 4  Mix Design I/DP: \$3,605.76  Den Mean: 94.28 Grad Key Sieve: No. 3

Subaccount:	13106	ST	4 0641-01	1 East of	Rangely	Regio	n: 3	Supplier:	
Mix Design No	o: 256	Р	rocess No:	1 Gradin	ıg: SX	Price Per Ton: \$	37.25	Mix Design I/DP: (\$563.84)	
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	2	1211				\$0.00			
Density		0	1211			\$0.00		Den Mean:	
Gradation		1211			0.93750	(\$563.84)		Grad Key Sieve:	
Mix Design No	o: 257	P	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$	41.44	Mix Design I/DP: \$3,680.69	
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.		
AC	6	6121		98.907	1.03500	\$2,663.53	0.133		
Density	12	6121	0	99.174	1.04500	\$5,707.56	0.840	Den Mean: 94.192	
Gradation	3	6121		52.619	0.90755	(\$4,690.40)		Grad Key Sieve: No. 200	
Mix Design No	o: 260	Р	rocess No:	1 Gradin	ıg: SX	Price Per Ton: \$	41.66	Mix Design I/DP: \$9,246.27	
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.		
AC	6	5691		99.923	1.03500	\$2,489.38	0.138		
Density	12	5691	0	99.392	1.04500	\$5,334.39	0.574	Den Mean: 93.267	
Gradation	4	5691		97.529	1.03000	\$1,422.50		Grad Key Sieve: No. 4	
					Tons:		I/DP:		
Project Tota	ls 1310	6	Asphal	t Content	13,023		\$5,152.91		
			Ma	t Density	13,023		\$11,041.95		
				5 al = 4 !	42 022		(\$3,831.74)		
			(	Gradation	13,023		(40,001.74)		
				Quantity	13,023 13,879	Project I/DP:	\$12,363.12		
Comment	ts:				•	Project I/DP:			
Comment		ST		Quantity	13,879	Project I/DP:	\$12,363.12	Supplier: 14	
	: 13108		Plan  4 092A-0	Quantity  15 Black C  1 Gradin	13,879 (anyon ng: SX	Regio	\$12,363.12 m: 3 40.18		
Subaccount:	: 13108		Plan 4 092A-0	Quantity  15 Black C	13,879 (anyon ng: SX	Regio	\$12,363.12	Supplier: 14	
Subaccount:	: 13108 o: 276	P	Plan  4 092A-0	Quantity  15 Black C  1 Gradin	13,879 (anyon ng: SX	Regio	\$12,363.12 m: 3 40.18	Supplier: 14	
Subaccount:	: 13108 o: 276 Tests	Tons	Plan  4 092A-0	Quantity  15 Black C  1 Gradin  Quality Level	13,879  anyon  ng: SX  Pay Factor	Regio	\$12,363.12 m: 3 40.18 Std. Dev.	Supplier: 14	
Subaccount: Mix Design No	: 13108 o: 276 Tests 49	Tons 48089	Plan  A 092A-0.  Process No:  PF 1.0	Quantity  15 Black C  1 Gradir  Quality Level 98.309	ianyon  ng: SX  Pay Factor 1.05500	Regio Price Per Ton: \$ 1/DP \$31,883.84	\$12,363.12 m: 3 40.18 Std. Dev. 0.128	Supplier: 14 Mix Design I/DP: \$83,538.00	
Subaccount: Mix Design No AC Density	: 13108 o: 276 Tests 49 97 25	Tons 48089 48089 48089	Plan  A 092A-0.  Process No:  PF 1.0	Quantity  15 Black C  1 Gradin  Quality Level 98.309 94.722 97.198	13,879  anyon  ng: SX  Pay Factor 1.05500 1.03346	Regio Price Per Ton: \$  1/DP \$31,883.84 \$32,330.62	\$12,363.12 m: 3 40.18 Std. Dev. 0.128 1.025	Supplier: 14  Mix Design I/DP: \$83,538.00  Den Mean: 93.822	
Mix Design No AC Density Gradation	: 13108 o: 276 Tests 49 97 25	Tons 48089 48089 48089	Plan  A 092A-0.  Process No: PF 1.0 0	Quantity  15 Black C  1 Gradin  Quality Level 98.309 94.722 97.198	13,879  anyon  ng: SX  Pay Factor 1.05500 1.03346 1.05000  ng: SX	Regio Price Per Ton: \$ 1/DP \$31,883.84 \$32,330.62 \$19,323.54 Price Per Ton: \$	\$12,363.12 m: 3 40.18 Std. Dev. 0.128 1.025	Supplier: 14  Mix Design I/DP: \$83,538.00  Den Mean: 93.822 Grad Key Sieve: No. 4	
Mix Design No AC Density Gradation	: 13108 o: 276 Tests 49 97 25	Tons 48089 48089 48089	Plan  A 092A-03  Process No:  PF 1.0  0	Quantity  15 Black C  1 Gradir Quality Level 98.309 94.722 97.198  1 Gradir	13,879  anyon  ng: SX  Pay Factor 1.05500 1.03346 1.05000  ng: SX	Regio Price Per Ton: \$ 1/DP \$31,883.84 \$32,330.62 \$19,323.54 Price Per Ton: \$	\$12,363.12 n: 3 40.18 Std. Dev. 0.128 1.025  35.68	Supplier: 14  Mix Design I/DP: \$83,538.00  Den Mean: 93.822 Grad Key Sieve: No. 4	
Mix Design No AC Density Gradation	: 13108 o: 276 Tests 49 97 25 o: 277 Tests	Tons 48089 48089 48089 F	Plan  A 092A-03  Process No:  PF 1.0  0	Quantity  15 Black C  1 Gradir Quality Level 98.309 94.722 97.198  1 Gradir Quality Level	13,879  anyon  ng: SX  Pay Factor 1.05500 1.03346 1.05000  ng: SX  Pay Factor	Regio Price Per Ton: \$ 1/DP \$31,883.84 \$32,330.62 \$19,323.54 Price Per Ton: \$ 1/DP	\$12,363.12 m: 3 40.18 Std. Dev. 0.128 1.025  35.68 Std. Dev.	Supplier: 14  Mix Design I/DP: \$83,538.00  Den Mean: 93.822 Grad Key Sieve: No. 4	
Mix Design No AC Density Gradation Mix Design No	: 13108 o: 276 Tests 49 97 25 o: 277 Tests	Tons 48089 48089 48089 F Tons 7000	Plan  A 092A-0  Process No:  PF 1.0  0  Process No:  PF 1.0	Quantity  15 Black C  1 Gradir Quality Level 98.309 94.722 97.198  1 Gradir Quality Level	13,879  anyon  ng: SX  Pay Factor 1.05500 1.03346 1.05000  ng: SX  Pay Factor	Regio Price Per Ton: \$ //DP \$31,883.84 \$32,330.62 \$19,323.54 Price Per Ton: \$ //DP \$2,622.55	\$12,363.12 m: 3 40.18 Std. Dev. 0.128 1.025  35.68 Std. Dev.	Supplier: 14  Mix Design I/DP: \$83,538.00  Den Mean: 93.822 Grad Key Sieve: No. 4  Mix Design I/DP: \$4,121.15	
Mix Design No AC Density Gradation Mix Design No AC Density	c: 13108 o: 276 Tests 49 97 25 o: 277 Tests 7 4	F Tons 48089 48089 48089 F Tons 7000 0 7000	Plan  A 092A-0  Process No:  PF 1.0  0  Process No:  PF 1.0	Quantity  15 Black C  1 Gradir Quality Level 98.309 94.722 97.198  1 Gradir Quality Level 96.855 100.000	13,879  anyon  ng: SX  Pay Factor 1.05500 1.03346 1.05000 ng: SX  Pay Factor 1.03500	Regio Price Per Ton: \$  1/DP \$31,883.84 \$32,330.62 \$19,323.54  Price Per Ton: \$  1/DP \$2,622.55 \$0.00	\$12,363.12 m: 3 40.18 Std. Dev. 0.128 1.025  35.68 Std. Dev. 0.105	Supplier: 14  Mix Design I/DP: \$83,538.00  Den Mean: 93.822 Grad Key Sieve: No. 4  Mix Design I/DP: \$4,121.15  Den Mean:	
Mix Design No AC Density Gradation Mix Design No AC Density Gradation	: 13108 o: 276 Tests 49 97 25 o: 277 Tests 7 4	F Tons 48089 48089 48089 F Tons 7000 0 7000	Plan  A 092A-0  Process No: PF 1.0  O  Process No: PF 1.0  7000	Quantity  15 Black C  1 Gradin Quality Level 98.309 94.722 97.198  1 Gradin Quality Level 96.855 100.000  1 Gradin	13,879  anyon  g: SX  Pay Factor 1.05500 1.03346 1.05000  g: SX  Pay Factor 1.03500 1.03000  ng: SX	Regio Price Per Ton: \$  1/DP \$31,883.84 \$32,330.62 \$19,323.54  Price Per Ton: \$  1/DP \$2,622.55 \$0.00 \$1,498.60  Price Per Ton: \$	\$12,363.12 m: 3 40.18 Std. Dev. 0.128 1.025  35.68 Std. Dev. 0.105	Supplier: 14  Mix Design I/DP: \$83,538.00  Den Mean: 93.822 Grad Key Sieve: No. 4  Mix Design I/DP: \$4,121.15  Den Mean: Grad Key Sieve: All QLs10	
Mix Design No.  AC Density Gradation  Mix Design No.  AC Density Gradation  Mix Design No.	: 13108 o: 276 Tests 49 97 25 o: 277 Tests 7 4 o: 281 Tests	F Tons 48089 48089 48089 F Tons 7000 0 7000	Plan  4 092A-02  Process No: PF 1.0  0  Process No: PF 1.0  7000	Quantity  15 Black C  1 Gradir Quality Level 98.309 94.722 97.198  1 Gradir Quality Level 96.855 100.000  1 Gradir Quality Level	13,879  anyon  g: SX  Pay Factor 1.05500 1.03346 1.05000  g: SX  Pay Factor 1.03500 1.03000  ng: SX  Pay Factor	Region Price Per Ton: \$  1/DP \$31,883.84 \$32,330.62 \$19,323.54  Price Per Ton: \$  1/DP \$2,622.55 \$0.00 \$1,498.60  Price Per Ton: \$  1/DP	\$12,363.12 m: 3 40.18 Std. Dev. 0.128 1.025  35.68 Std. Dev. 0.105  35.32 Std. Dev.	Supplier: 14  Mix Design I/DP: \$83,538.00  Den Mean: 93.822 Grad Key Sieve: No. 4  Mix Design I/DP: \$4,121.15  Den Mean: Grad Key Sieve: All QLs10	
Mix Design No.  AC Density Gradation  Mix Design No.  AC Density Gradation  Mix Design No.  AC	: 13108 o: 276 Tests 49 97 25 o: 277 Tests 7 4	F Tons 48089 48089 48089 F Tons 7000 0 7000 F Tons 26848	Plan  A 092A-0  Process No: PF 1.0  O  Process No: PF 1.0  7000  Process No: PF 1.0	Quantity  15 Black C  1 Gradin Quality Level 98.309 94.722 97.198  1 Gradin Quality Level 96.855 100.000  1 Gradin	13,879  anyon  g: SX  Pay Factor 1.05500 1.03346 1.05000  g: SX  Pay Factor 1.03500 1.03000  ng: SX	Region Price Per Ton: \$  1/DP \$31,883.84 \$32,330.62 \$19,323.54  Price Per Ton: \$  1/DP \$2,622.55 \$0.00 \$1,498.60  Price Per Ton: \$  1/DP \$14,256.82	\$12,363.12 m: 3 40.18 Std. Dev. 0.128 1.025  35.68 Std. Dev. 0.105  35.32	Supplier: 14  Mix Design I/DP: \$83,538.00  Den Mean: 93.822 Grad Key Sieve: No. 4  Mix Design I/DP: \$4,121.15  Den Mean: Grad Key Sieve: All QLs10  Mix Design I/DP: \$22,790.53	
Mix Design No.  AC Density Gradation  Mix Design No.  AC Density Gradation  Mix Design No.	: 13108 o: 276 Tests 49 97 25 o: 277 Tests 7 4 o: 281 Tests	F Tons 48089 48089 48089 F Tons 7000 0 7000	Plan  A 092A-0  Process No: PF 1.0  O  Process No: PF 1.0  7000	Quantity  15 Black C  1 Gradir Quality Level 98.309 94.722 97.198  1 Gradir Quality Level 96.855 100.000  1 Gradir Quality Level	13,879  anyon  g: SX  Pay Factor 1.05500 1.03346 1.05000  g: SX  Pay Factor 1.03500 1.03000  ng: SX  Pay Factor	Region Price Per Ton: \$  1/DP \$31,883.84 \$32,330.62 \$19,323.54  Price Per Ton: \$  1/DP \$2,622.55 \$0.00 \$1,498.60  Price Per Ton: \$  1/DP	\$12,363.12 m: 3 40.18 Std. Dev. 0.128 1.025  35.68 Std. Dev. 0.105  35.32 Std. Dev.	Supplier: 14  Mix Design I/DP: \$83,538.00  Den Mean: 93.822 Grad Key Sieve: No. 4  Mix Design I/DP: \$4,121.15  Den Mean: Grad Key Sieve: All QLs10  Mix Design I/DP: \$22,790.53  Den Mean:	
Mix Design No.  AC Density Gradation  Mix Design No.  AC Density Gradation  Mix Design No.  AC Density AC Density Control of the control of t	c: 13108 o: 276 Tests 49 97 25 o: 277 Tests 7 4 lo: 281 Tests 27	F Tons 48089 48089 48089 F Tons 7000 0 7000 F Tons 26848 0	Plan  A 092A-0  Process No: PF 1.0  O  Process No: PF 1.0  7000  Process No: PF 1.0	Quantity  15 Black C  1 Gradir Quality Level 98.309 94.722 97.198  1 Gradir Quality Level 96.855 100.000  1 Gradir Quality Level 95.777	13,879  anyon  g: SX  Pay Factor 1.05500 1.03346 1.05000  g: SX  Pay Factor 1.03500 1.03000  g: SX  Pay Factor 1.05012	Region Price Per Ton: \$ 1/DP \$31,883.84 \$32,330.62 \$19,323.54  Price Per Ton: \$ 1/DP \$2,622.55 \$0.00 \$1,498.60  Price Per Ton: \$ 1/DP \$14,256.82 \$0.00	\$12,363.12 m: 3 40.18 Std. Dev. 0.128 1.025  35.68 Std. Dev. 0.105  35.32 Std. Dev. 0.120	Supplier: 14  Mix Design I/DP: \$83,538.00  Den Mean: 93.822 Grad Key Sieve: No. 4  Mix Design I/DP: \$4,121.15  Den Mean: Grad Key Sieve: All QLs10  Mix Design I/DP: \$22,790.53	
Mix Design No.  AC Density Gradation  Mix Design No.  AC Density Gradation  Mix Design No.  AC Density Gradation  AC Density Gradation	c: 13108 c: 276 Tests 49 97 25 c: 277 Tests 7 4 c: 281 Tests 27 14	Fons 48089 48089 48089 Fons 7000 0 7000 Fons 26848 0 26848	Plan  A 092A-0  Process No: PF 1.0  7000  Process No: PF 1.0  26848	Quantity  15 Black C  1 Gradir  Quality Level 98.309 94.722 97.198  1 Gradir  Quality Level 96.855 100.000  1 Gradir  Quality Level 95.777 100.000	13,879  anyon  g: SX  Pay Factor 1.05500 1.03346 1.05000  g: SX  Pay Factor 1.03500 1.03000  g: SX  Pay Factor 1.05012 1.04500  Tons:	Region Price Per Ton: \$ 1/DP \$31,883.84 \$32,330.62 \$19,323.54  Price Per Ton: \$ 1/DP \$2,622.55 \$0.00 \$1,498.60  Price Per Ton: \$ 1/DP \$14,256.82 \$0.00	\$12,363.12  m: 3  40.18  Std. Dev. 0.128 1.025 35.68  Std. Dev. 0.105 35.32  Std. Dev. 0.120 I/DP:	Supplier: 14  Mix Design I/DP: \$83,538.00  Den Mean: 93.822 Grad Key Sieve: No. 4  Mix Design I/DP: \$4,121.15  Den Mean: Grad Key Sieve: All QLs10  Mix Design I/DP: \$22,790.53  Den Mean:	
Mix Design No.  AC Density Gradation  Mix Design No.  AC Density Gradation  Mix Design No.  AC Density AC Density Control of the control of t	c: 13108 c: 276 Tests 49 97 25 c: 277 Tests 7 4 c: 281 Tests 27 14	Fons 48089 48089 48089 Fons 7000 0 7000 Fons 26848 0 26848	Plan  A 092A-0  Process No: PF 1.0  Orocess No: PF 1.0  Process No: PF 1.0  26848  Aspha	Quantity  15 Black C  1 Gradir Quality Level 98.309 94.722 97.198  1 Gradir Quality Level 96.855 100.000  1 Gradir Quality Level 95.777 100.000	13,879  anyon  ng: SX  Pay Factor 1.05500 1.03346 1.05000  ng: SX  Pay Factor 1.03500 1.03000  ng: SX  Pay Factor 1.05012 1.04500  Tons: 81,937	Region Price Per Ton: \$ 1/DP \$31,883.84 \$32,330.62 \$19,323.54  Price Per Ton: \$ 1/DP \$2,622.55 \$0.00 \$1,498.60  Price Per Ton: \$ 1/DP \$14,256.82 \$0.00	\$12,363.12  m: 3  40.18  Std. Dev. 0.128 1.025 35.68  Std. Dev. 0.105 35.32  Std. Dev. 0.120 I/DP: \$48,763.21	Supplier: 14  Mix Design I/DP: \$83,538.00  Den Mean: 93.822 Grad Key Sieve: No. 4  Mix Design I/DP: \$4,121.15  Den Mean: Grad Key Sieve: All QLs10  Mix Design I/DP: \$22,790.53  Den Mean:	
Mix Design No.  AC Density Gradation  Mix Design No.  AC Density Gradation  Mix Design No.  AC Density Gradation  AC Density Gradation	c: 13108 c: 276 Tests 49 97 25 c: 277 Tests 7 4 c: 281 Tests 27 14	Fons 48089 48089 48089 Fons 7000 0 7000 Fons 26848 0 26848	Plan  A 092A-0  Process No: PF 1.0  Orocess No: PF 1.0  Process No: PF 1.0  26848  Aspha Ma	Quantity  15 Black C  1 Gradir  Quality Level 98.309 94.722 97.198  1 Gradir  Quality Level 96.855 100.000  1 Gradir  Quality Level 95.777 100.000	13,879  anyon  g: SX  Pay Factor 1.05500 1.03346 1.05000  g: SX  Pay Factor 1.03500 1.03000  g: SX  Pay Factor 1.05012 1.04500  Tons:	Region Price Per Ton: \$ 1/DP \$31,883.84 \$32,330.62 \$19,323.54  Price Per Ton: \$ 1/DP \$2,622.55 \$0.00 \$1,498.60  Price Per Ton: \$ 1/DP \$14,256.82 \$0.00	\$12,363.12  m: 3  40.18  Std. Dev. 0.128 1.025 35.68  Std. Dev. 0.105 35.32  Std. Dev. 0.120 I/DP:	Supplier: 14  Mix Design I/DP: \$83,538.00  Den Mean: 93.822 Grad Key Sieve: No. 4  Mix Design I/DP: \$4,121.15  Den Mean: Grad Key Sieve: All QLs10  Mix Design I/DP: \$22,790.53  Den Mean:	

Subaccount	: 13109	STA	1 0141-01	3 East of	Walden	Regio	on: 3	Supplier: 14
Mix Design N	lo: 269	Pi	rocess No:	1 Gradin	ıg: SX	Price Per Ton: \$	34.33	Mix Design I/DP: \$4,281.24
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	7	7558		90.953	1.03500	\$2,724.43	0.144	
Density		0	0			\$0.00		Den Mean:
Gradation	4	7558		100.000	1.03000	\$1,556.81		Grad Key Sieve: All QLs10
Mix Design N	lo: 273	Pı	rocess No:	1 Gradin	ıg: SX	Price Per Ton: \$	37.62	Mix Design I/DP: \$11,462.17
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	17	16369		96.426	1.05000	\$9,237.53	0.089	
Density	35	16369	0	87.433	0.99189	(\$2,498.67)	1.319	Den Mean: 94.011
Gradation	8	16369		92.060	1.03835	\$4,723.31		Grad Key Sieve: No. 200
Mix Design N	lo: 278	Pi	rocess No:	1 Gradin	ıg: F	Price Per Ton: \$	37.26	Mix Design I/DP: \$873.65
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	3	3126		100.000	1.02500	\$873.65	0.046	
Density		0	0			\$0.00		Den Mean:
Gradation						\$0.00		Grad Key Sieve:
		_			Tons:		I/DP:	
Project Tota	als 1310	9	Asphal	t Content	27,053		\$12,835.61	
			Mat	t Density	16,369		(\$2,498.67)	
			(	Gradation	23,927		\$6,280.12	
			Dlan	Quantity	24.044	Project I/DP:		
_				•		ests only MD 278		
Mix Design N	No: 248	P	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	34.56	Mix Design I/DP: \$3,103.12
	Tests	Tons	<b>PF 1.</b> 0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	5	4648		100.000	1.03000	\$1,445.67	0.093	
Density	4	1648	3000	100.000	1.03000	\$854.30	0.676	Den Mean: 94.35
Gradation	3	4648		100.000	1.02500	\$803.15		Grad Key Sieve: All QLs10
Mix Design N	No: 250	P	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	39.49	Mix Design I/DP: (\$1,895.34)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	2	2317			1.00000	\$0.00		
Density	5	2317	0	92.133	1.03000	\$1,372.49	1.172	Den Mean: 94.46
Gradation	1	2317			0.82143	(\$3,267.83)		Grad Key Sieve:
Mix Design N	No: 252	Р	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$	39.17	Mix Design I/DP: \$0.00
	Tests	Tons			Day Faster	LIDE		
AC			<b>PF</b> 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
Density	1	481	PF 1.0	Quality Level	Pay Factor	\$0.00	Std. Dev.	
Gradation	1		<b>PF 1.0</b>	Quality Level	Pay Factor		Std. Dev.	Den Mean:
Gradation	1 1			Quality Level	Pay Factor	\$0.00	Std. Dev.	Den Mean: Grad Key Sieve:
	1	481			ng: SX	\$0.00 \$0.00		
Mix Design N	1	481	0		ng: SX	\$0.00 \$0.00 \$0.00 Price Per Ton: \$		Grad Key Sieve:
	1 No: 254	481 481	0 Process No:	1 Gradii	ng: SX	\$0.00 \$0.00 \$0.00 Price Per Ton: \$	539.34	Grad Key Sieve:
Mix Design N	1 No: 254 <b>Tests</b> 6	481 481 P Tons 5489	0 Process No:	1 Gradii Quality Level	ng: SX Pay Factor	\$0.00 \$0.00 \$0.00 Price Per Ton: \$ I/DP \$1,293.34	539.34 Std. Dev.	Grad Key Sieve:
Mix Design N	1 No: 254 Tests	481 481 P Tons	0 Process No: PF 1.0	1 Gradii Quality Level 85.152	ng: SX Pay Factor 1.01997	\$0.00 \$0.00 \$0.00 Price Per Ton: \$	\$39.34 <b>Std. Dev.</b> 0.210	Grad Key Sieve:  Mix Design I/DP: (\$12,527.60)
Mix Design N  AC  Density  Gradation	1 No: 254 Tests 6 11 3	481 481 P Tons 5489 5489 5489	0 Process No: PF 1.0	1 Gradii Quality Level 85.152 78.762	ng: SX Pay Factor 1.01997 0.96985	\$0.00 \$0.00 \$0.00 Price Per Ton: \$ I/DP \$1,293.34 (\$3,255.51)	539.34 Std. Dev. 0.210 1.577	Grad Key Sieve:  Mix Design I/DP: (\$12,527.60)  Den Mean: 94.4
Mix Design N  AC  Density	1 No: 254 Tests 6 11 3	481 481 P Tons 5489 5489 5489	0 Process No: PF 1.0	1 Gradii Quality Level 85.152 78.762	ng: SX Pay Factor 1.01997 0.96985 0.75534	\$0.00 \$0.00 \$0.00 Price Per Ton: \$ I/DP \$1,293.34 (\$3,255.51)	539.34 Std. Dev. 0.210 1.577	Grad Key Sieve:  Mix Design I/DP: (\$12,527.6)  Den Mean: 94.4

Comments: Final Quantities Don't Match. Roller Pass Study?

**Mat Density** 

**Plan Quantity** 

Gradation

Project I/DP:

(\$1,028.72)

(\$13,030.11)

(\$11,319.82)

12,454

12,935

13,254

Subaccount	: 13131	NH	0242-031	US 24 -	Divide Eas	t Regio	n: 2	Supplier: 32
Mix Design N	lo: 194	P	rocess No:	1 Gradir	ng: S	Price Per Ton: \$3	34.50	Mix Design I/DP: \$4,414.35
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	10	10000		73.153	0.93932	(\$6,280.65)	0.144	
Density	20	10000	500	98.277	1.05000	\$8,625.00	0.871	Den Mean: 93.81
Gradation	5	10000		93.430	1.03000	\$2,070.00		Grad Key Sieve: No. 4
Mix Design N	lo: 205	Р	rocess No:	1 Gradir	ng: S	Price Per Ton: \$3	34.50	Mix Design I/DP: \$41,839.42
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	34	33155		93.709	1.03492	\$11,981.40	0.147	
Density	66	32655	0	97.807	1.05500	\$30,981.43	0.884	Den Mean: 93.921
Gradation	17	33155		85.436	0.99509	(\$1,123.41)		Grad Key Sieve: No. 4
					Tons:		I/DP:	
Project Tota	ıls 1313	1	Asphal	t Content	43,155		\$5,700.75	
			Ma	t Density	43,155		\$39,606.43	
			(	Gradation	43,155		\$946.59	
			Plan	Quantity	40,927	Project I/DP:	\$46,253.77	
Commer	its:							
Subaccount	: 13147	NH	0342-03	5 US 34 -	71St to 47t	h Ave Regio	n: 4	Supplier: 40
Subaccount Mix Design N			7 0342-035 rocess No:			th Ave Regio		Supplier: 40 Mix Design I/DP: \$13,144.0
Subaccount Mix Design N					ng: S	Price Per Ton: \$		
	lo: 28001	P	rocess No:	1 Gradii	ng: S	Price Per Ton: \$	31.05	Mix Design I/DP: \$13,144.0
Mix Design N	lo: 28001 Tests	P	rocess No:	1 Gradii Quality Level	ng: S Pay Factor	Price Per Ton: \$	31.05 Std. Dev.	Mix Design I/DP: \$13,144.0
Mix Design N	lo: 28001 Tests 11	Tons 10736	rocess No: PF 1.0	1 Gradii Quality Level 94.601	ng: S Pay Factor 1.04500	Price Per Ton: \$: r	31.05 Std. Dev. 0.152	Mix Design I/DP: \$13,144.0
Mix Design N  AC  Density	No: 28001 Tests 11 22 6	Tons 10736 10736 10736	rocess No: PF 1.0	1 Gradii Quality Level 94.601 98.709 81.305	ng: S <b>Pay Factor</b> 1.04500 1.05000	Price Per Ton: \$:  //DP  \$4,500.26  \$8,333.82	31.05 <b>Std. Dev.</b> 0.152 0.810	Mix Design I/DP: \$13,144.0
Mix Design N  AC  Density  Gradation	No: 28001 Tests 11 22 6	Tons 10736 10736 10736	rocess No: PF 1.0	1 Gradii Quality Level 94.601 98.709 81.305	ng: S  Pay Factor 1.04500 1.05000 1.00465	Price Per Ton: \$1 // DP \$4,500.26 \$8,333.82 \$310.01	31.05 <b>Std. Dev.</b> 0.152 0.810	Den Mean: 93.741 Grad Key Sieve: 1/2
Mix Design N  AC  Density  Gradation	No: 28001 Tests 11 22 6 No: 36501	Tons 10736 10736 10736	PF 1.0 0	1 Gradii Quality Level 94.601 98.709 81.305	ng: S  Pay Factor 1.04500 1.05000 1.00465	Price Per Ton: \$1 // DP \$4,500.26 \$8,333.82 \$310.01	31.05 Std. Dev. 0.152 0.810 	Den Mean: 93.741 Grad Key Sieve: 1/2
Mix Design N  AC  Density  Gradation  Mix Design N	Tests 11 22 6 No: 36501 Tests	Tons 10736 10736 10736 Tons	PF 1.0 0	1 Gradii Quality Level 94.601 98.709 81.305	ng: S Pay Factor 1.04500 1.05000 1.00465 ng: S Pay Factor	Price Per Ton: \$1 // DP \$4,500.26 \$8,333.82 \$310.01 Price Per Ton: \$1 // DP	31.05 Std. Dev. 0.152 0.810 	Den Mean: 93.741 Grad Key Sieve: 1/2
Mix Design N  AC  Density  Gradation  Mix Design N	No: 28001 Tests 11 22 6 No: 36501 Tests 2	P Tons 10736 10736 10736 Tons 1691	o rocess No: PF 1.0 0 rocess No: PF 1.0	1 Gradio Quality Level 94.601 98.709 81.305 1 Gradio Quality Level	ng: S  Pay Factor 1.04500 1.05000 1.00465  ng: S  Pay Factor 1.00000	Price Per Ton: \$1 // DP \$4,500.26 \$8,333.82 \$310.01 Price Per Ton: \$1 // DP \$0.00	31.05 Std. Dev. 0.152 0.810  29.50 Std. Dev.	Den Mean: 93.741 Grad Key Sieve: 1/2 Mix Design I/DP: \$1,647.35
AC Density Gradation  Mix Design N  AC Density	No: 28001 Tests 11 22 6 No: 36501 Tests 2 7 2	P Tons 10736 10736 10736 Tons 1691 3191 3691	o rocess No: PF 1.0 0 rocess No: PF 1.0	1 Gradio Quality Level 94.601 98.709 81.305  1 Gradio Quality Level 93.657	ng: S  Pay Factor 1.04500 1.05000 1.00465  ng: S  Pay Factor 1.00000 1.03500	Price Per Ton: \$1  1/DP \$4,500.26 \$8,333.82 \$310.01  Price Per Ton: \$1  1/DP \$0.00 \$1,647.35	31.05 Std. Dev. 0.152 0.810  29.50 Std. Dev. 1.005	Den Mean: 93.741 Grad Key Sieve: 1/2  Mix Design I/DP: \$1,647.35  Den Mean: 94.557
AC Density Gradation  AC Density Gradation	No: 28001 Tests 11 22 6 No: 36501 Tests 2 7 2	P Tons 10736 10736 10736 Tons 1691 3191 3691	o rocess No: PF 1.0 0 rocess No: PF 1.0	1 Gradio Quality Level 94.601 98.709 81.305  1 Gradio Quality Level 93.657	ng: S  Pay Factor 1.04500 1.05000 1.00465  ng: S  Pay Factor 1.00000 1.03500 1.00000  ng: S	Price Per Ton: \$1 // DP \$4,500.26 \$8,333.82 \$310.01 Price Per Ton: \$1 // DP \$0.00 \$1,647.35 \$0.00 Price Per Ton: \$	31.05 Std. Dev. 0.152 0.810  29.50 Std. Dev. 1.005	Den Mean: 93.741 Grad Key Sieve: 1/2  Mix Design I/DP: \$1,647.35  Den Mean: 94.557 Grad Key Sieve:
AC Density Gradation  AC Density Gradation	No: 28001 Tests 11 22 6 No: 36501 Tests 2 7 2 No: 36501	P Tons 10736 10736 10736 Tons 1691 3191 3691	rocess No: PF 1.0 0 rocess No: PF 1.0 0	1 Gradio Quality Level 94.601 98.709 81.305 1 Gradio Quality Level 93.657	ng: S  Pay Factor 1.04500 1.05000 1.00465  ng: S  Pay Factor 1.00000 1.03500 1.00000  ng: S	Price Per Ton: \$1 // DP \$4,500.26 \$8,333.82 \$310.01 Price Per Ton: \$1 // DP \$0.00 \$1,647.35 \$0.00 Price Per Ton: \$	31.05  Std. Dev. 0.152 0.810 29.50  Std. Dev. 1.005	Den Mean: 93.741 Grad Key Sieve: 1/2  Mix Design I/DP: \$1,647.35  Den Mean: 94.557 Grad Key Sieve:
AC Density Gradation  Mix Design N  AC Density Gradation  Mix Design N	No: 28001 Tests 11 22 6 No: 36501 Tests 2 7 2 No: 36501 Tests	P Tons 10736 10736 10736 P Tons 1691 3191 3691	rocess No: PF 1.0 0 rocess No: PF 1.0 0	1 Gradio Quality Level 94.601 98.709 81.305 1 Gradio Quality Level 93.657 2 Gradio Quality Level	ng: S Pay Factor 1.04500 1.05000 1.00465 ng: S Pay Factor 1.00000 1.03500 1.00000 ng: S Pay Factor	Price Per Ton: \$1 // DP \$4,500.26 \$8,333.82 \$310.01 Price Per Ton: \$1 // DP \$0.00 \$1,647.35 \$0.00 Price Per Ton: \$1 // DP	31.05  Std. Dev. 0.152 0.810 29.50  Std. Dev. 1.005 29.50  Std. Dev.	Den Mean: 93.741 Grad Key Sieve: 1/2  Mix Design I/DP: \$1,647.35  Den Mean: 94.557 Grad Key Sieve:  Mix Design I/DP: \$15,971.8
AC Density Gradation  Mix Design N  AC Density Gradation  Mix Design N  AC AC AC AC	No: 28001 Tests 11 22 6 No: 36501 Tests 2 7 2 No: 36501 Tests 17	P Tons 10736 10736 10736 P Tons 1691 3191 3691 F Tons 15426	rocess No: PF 1.0 0 rocess No: PF 1.0 0 Process No: PF 1.0	1 Gradio Quality Level 94.601 98.709 81.305 1 Gradio Quality Level 93.657 2 Gradio Quality Level 88.729	ng: S  Pay Factor 1.04500 1.05000 1.05000 1.00465  ng: S  Pay Factor 1.00000 1.03500 1.00000  ng: S  Pay Factor 1.01393	Price Per Ton: \$1 // DP \$4,500.26 \$8,333.82 \$310.01  Price Per Ton: \$1 // DP \$0.00 \$1,647.35 \$0.00  Price Per Ton: \$1 // DP \$1,901.94	31.05  Std. Dev. 0.152 0.810 29.50  Std. Dev. 1.005 29.50  Std. Dev. 0.181	Den Mean: 93.741 Grad Key Sieve: 1/2  Mix Design I/DP: \$1,647.35  Den Mean: 94.557 Grad Key Sieve:  Mix Design I/DP: \$15,971.8
AC Density Gradation  AC Density Gradation  AC Density Gradation  Mix Design I	No: 28001 Tests 11 22 6 No: 36501 Tests 2 7 2 No: 36501 Tests 17 29	P Tons 10736 10736 10736 P Tons 1691 3191 3691 F Tons 15426 13926	rocess No: PF 1.0 0 rocess No: PF 1.0 0 Process No: PF 1.0	1 Gradio Quality Level 94.601 98.709 81.305 1 Gradio Quality Level 93.657 2 Gradio Quality Level 88.729 98.214	ng: S  Pay Factor 1.04500 1.05000 1.05000 1.00465  ng: S  Pay Factor 1.00000 1.03500 1.00000  ng: S  Pay Factor 1.01393 1.05500	Price Per Ton: \$1 // DP \$4,500.26 \$8,333.82 \$310.01 Price Per Ton: \$1 // DP \$0.00 \$1,647.35 \$0.00 Price Per Ton: \$1 // DP \$1,901.94 \$11,297.47	31.05  Std. Dev. 0.152 0.810 29.50  Std. Dev. 1.005 29.50  Std. Dev. 0.181 0.854	Den Mean: 93.741 Grad Key Sieve: 1/2  Mix Design I/DP: \$1,647.35  Den Mean: 94.557 Grad Key Sieve:  Mix Design I/DP: \$15,971.8
AC Density Gradation  AC Density Gradation  AC Density Gradation  Mix Design I  AC Density Gradation	No: 28001 Tests 11 22 6 No: 36501 Tests 2 7 2 No: 36501 Tests 17 29 7	P Tons 10736 10736 10736 Tons 1691 3191 3691 F Tons 15426 13926 13426	rocess No: PF 1.0  0  rocess No: PF 1.0  0  Process No: PF 1.0  0	1 Gradio Quality Level 94.601 98.709 81.305 1 Gradio Quality Level 93.657 2 Gradio Quality Level 88.729 98.214	ng: S  Pay Factor 1.04500 1.05000 1.05000 1.00465  ng: S  Pay Factor 1.00000 1.03500 1.01393 1.05500 1.03500	Price Per Ton: \$1 // DP \$4,500.26 \$8,333.82 \$310.01 Price Per Ton: \$1 // DP \$0.00 \$1,647.35 \$0.00 Price Per Ton: \$1 // DP \$1,901.94 \$11,297.47	31.05  Std. Dev. 0.152 0.810 29.50  Std. Dev. 1.005 29.50  Std. Dev. 0.181 0.854	Den Mean: 93.741 Grad Key Sieve: 1/2  Mix Design I/DP: \$1,647.35  Den Mean: 94.557 Grad Key Sieve:  Mix Design I/DP: \$15,971.8
AC Density Gradation  AC Density Gradation  AC Density Gradation  Mix Design I  AC Density Gradation	No: 28001 Tests 11 22 6 No: 36501 Tests 2 7 2 No: 36501 Tests 17 29 7	P Tons 10736 10736 10736 Tons 1691 3191 3691 F Tons 15426 13926 13426	rocess No: PF 1.0  0  rocess No: PF 1.0  0  Process No: PF 1.0  0  Aspha	1 Gradio Quality Level 94.601 98.709 81.305 1 Gradio Quality Level 93.657 2 Gradio Quality Level 88.729 98.214 90.404	ng: S  Pay Factor 1.04500 1.05000 1.05000 1.00465  ng: S  Pay Factor 1.00000 1.03500 1.00000  ng: S  Pay Factor 1.01393 1.05500 1.03500 Tons:	Price Per Ton: \$1 // DP \$4,500.26 \$8,333.82 \$310.01 Price Per Ton: \$1 // DP \$0.00 \$1,647.35 \$0.00 Price Per Ton: \$1 // DP \$1,901.94 \$11,297.47	31.05  Std. Dev. 0.152 0.810 29.50  Std. Dev. 1.005 29.50  Std. Dev. 0.181 0.854 I/DP:	Den Mean: 93.741 Grad Key Sieve: 1/2  Mix Design I/DP: \$1,647.35  Den Mean: 94.557 Grad Key Sieve:  Mix Design I/DP: \$15,971.8
Mix Design N  AC Density Gradation  Mix Design N  AC Density Gradation  Mix Design N  AC Density Gradation	No: 28001 Tests 11 22 6 No: 36501 Tests 2 7 2 No: 36501 Tests 17 29 7	P Tons 10736 10736 10736 Tons 1691 3191 3691 F Tons 15426 13926 13426	rocess No: PF 1.0  0  rocess No: PF 1.0  0  Process No: PF 1.0  0  Aspha	1 Gradin Quality Level 94.601 98.709 81.305 1 Gradin Quality Level 93.657 2 Gradin Quality Level 88.729 98.214 90.404	ng: S  Pay Factor 1.04500 1.05000 1.05000 1.00465  ng: S  Pay Factor 1.00000 1.03500 1.00000  ng: S  Pay Factor 1.01393 1.05500 1.03500 Tons: 27,853	Price Per Ton: \$1 // DP \$4,500.26 \$8,333.82 \$310.01 Price Per Ton: \$1 // DP \$0.00 \$1,647.35 \$0.00 Price Per Ton: \$1 // DP \$1,901.94 \$11,297.47	31.05  Std. Dev. 0.152 0.810 29.50  Std. Dev. 1.005 29.50  Std. Dev. 0.181 0.854 I/DP: \$6,402.20	Den Mean: 93.741 Grad Key Sieve: 1/2  Mix Design I/DP: \$1,647.35  Den Mean: 94.557 Grad Key Sieve:  Mix Design I/DP: \$15,971.8

Subaccoun	t: 13178	BR	0073-005	Hwy 7 @	Dry Creek	Regio	n: 6	Supplier: 33
Mix Design	No: 10588	1-2 F	Process No:	1 Gradin	ıg: S	Price Per Ton: \$3	31.30	Mix Design I/DP: \$0.00
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	1	828			1.00000	\$0.00		
Density	2	828	0		1.00000	\$0.00		Den Mean:
Gradation	1	828			1.00000	\$0.00		Grad Key Sieve:
Mix Design	No: 10588	1-2 F	Process No:	2 Gradir	ng: S	Price Per Ton: \$3	31.30	Mix Design I/DP: \$3,345.20
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	4	3608		78.698	1.01541	\$521.94	0.189	
Density	8	3608	0	97.634	1.04000	\$2,258.61	0.773	Den Mean: 93.363
Gradation	3	3608		77.281	1.02500	\$564.65		Grad Key Sieve: No. 30
Mix Design	No: 10588	9 1	Process No:	1 Gradin	ng: S	Price Per Ton: \$3	31.30	Mix Design I/DP: (\$2,677.79
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	14	14716		84.313	0.99390	(\$842.40)	0.182	
Density	30	14716	0	90.188	1.01385	\$3,189.07	1.122	Den Mean: 93.51
Gradation	7	14716		71.193	0.94546	(\$5,024.46)		Grad Key Sieve: No. 30
Mix Design	No: 10588	9	Process No:	2 Gradin	ng: S	Price Per Ton: \$	31.30	Mix Design I/DP: \$46,236.1
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	34	33415		96.725	1.05418	\$16,999.66	0.136	
Density	66	33415	0	97.561	1.05500	\$28,761.96	0.742	Den Mean: 93.447
Gradation	16	33415	i	86.420	1.00227	\$474.52		Grad Key Sieve: 3/8
					Tons:		I/DP:	
Project To	tals 1317	78	Asphal	t Content	52,567		\$16,679.20	
			Ma	t Density	52,567		\$34,209.64	
			(	Gradation	52,567		(\$3,985.29)	
			Plan	Quantity	54,094	Project I/DP:	\$46,903.55	
Comme	ents:							
Subaccour	nt: 13275	i IN	1 0761-182	I-76 @	96th Ave	Regio	on: 6	Supplier: 33
Mix Design	No: 10588	36	Process No:	1 Gradi	ng: S	Price Per Ton: \$	42.00	Mix Design I/DP: \$2,600.64
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	· I/DP	Std. Dev.	
AC	3	2752		100.000	1.02500	\$866.88	0.119	
Density	5	2752		98.420	1.03000	\$1,733.76	0.626	Den Mean: 93.02
Gradation	1	2752			1.00000	\$0.00		Grad Key Sieve:
	· .						I/DP:	
		<b>7</b> .5			Tons:			
Project To	otals 132	/3		It Content	2,752		\$866.88	
			Ma	at Density	2,752		\$1,733.76	
							80.00	
				Gradation	2,752		\$0.00 \$2,600.64	

Subaccount:	13325	NH	0501-045	Delta - S	South	Regio	n: 3	Supplier:	11
Mix Design No	: 239	Р	rocess No:	1 Gradin	ıg: SX	Price Per Ton: \$	35.25	Mix Design I/DP: \$	706.50
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.		
AC	5	1336		100.000	1.03000	\$423.90	0.122		
Density		0	1336			\$0.00		Den Mear	
Gradation	5	1336		99.368	1.03000	\$282.60		Grad Key Sieve	e: No. 4
Mix Design No	: 240	Р	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$	34.53	Mix Design I/DP: \$	9,441.09
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.		
AC	8	7746		97.328	1.04000	\$3,209.85	0.134		
Density	15	7746	0	95.308	1.04763	\$6,369.97	1.046	Den Mear	1: 93.82
Gradation	4	7746		74.093	0.99741	(\$138.73)		Grad Key Sieve	e: 3/8
Mix Design No	o: 241	Р	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	34.56	Mix Design I/DP: \$	80,481.6
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.		
AC	51	50712		99.892	1.05500	\$28,918.26	0.087		
Density	102	50712	0	97.454	1.05523	\$48,401.61	0.894	Den Mear	n: 93.864
Gradation	27	50712		89.174	1.00902	\$3,161. <b>73</b>		Grad Key Sieve	e: No. 4
					Tons:		I/DP:		
Project Total	ls 1332	5	Asphal	t Content	59,794		\$32,552.01		
			Ma	t Density	59,794		\$54,771.58		
			(	Gradation	59,794		\$3,305.60		
			Plan	Quantity	59,068	Project I/DP:	\$90,629.19		
Comment	s:								
Subaccount:	13328	ST	A R300-0	72 Mach P	ach Var Lo	ocation Regio	on: 3	Supplier:	12
Mix Design No	o: 10260	1 F	Process No:	1 Gradii	ng: SX	Price Per Ton: \$	55.90	Mix Design I/DP:	\$981.04
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	r I/DP	Std. Dev.		
AC	3	2340		100.000	1.02500	\$981.04	0.205		
Density	-	0	2340			\$0.00		Den Mea	n:
Gradation	2	2340				\$0.00		Grad Key Sieve	e:
					Tons:	<u> </u>	I/DP:		
		10		It Content	2,340		\$981.04		
Project Tota	ls 1332	<i>(</i> 0	Aspha	il Colligiii					
Project Tota	ls 1332	6	•		•		\$0.00		
Project Tota	ls 1332	<i>(</i> 8	Ma	it Density Gradation	2,340 2,340		•		

Subaccoun	t: 13330	MC	C 330A-00	7 Mesa to	Collbran	Regio	n: 3	Supplier: 17
Mix Design I	No: 231	Р	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$3	37.56	Mix Design I/DP: \$7,775.96
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	7	6608		84.284	1.01278	\$951.28	0.222	
Density	14	6608	0	98.022	1.04500	\$5,583.83	0.887	Den Mean: 93.729
Gradation	3	6608		77.281	1.02500	\$1,240.85		Grad Key Sieve: No. 4
Mix Design I	No: 237	Р	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$3	37.70	Mix Design I/DP: \$271.92
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	11	10167		73.984	0.94073	(\$6,816.00)	0.261	
Density	21	10167	0	92.474	1.03235	\$6,200.92	1.132	Den Mean: 94.229
Gradation	6	10167		82.979	1.01157	\$887.00		Grad Key Sieve: 3/8
					Tons:		I/DP:	
Project Tot	als 1333	80	Asphal	t Content	16,775		(\$5,864.72)	
			Ma	t Density	16,775		\$11,784.75	
			(	Gradation	16,775		\$2,127.85	
			Plan	Quantity	16.683	Project I/DP:	\$8,047,88	
Comme	nts:		Plan	Quantity	16,683	Project I/DP:	\$8,047.88	
Comme Subaccoun		ST	Plan 4 0062-01		16,683 Isquez, I-70	-		Supplier: 45
	t: 13349			4 US 6/Va	isquez, I-70	-	n: 6	Supplier: 45 Mix Design I/DP: \$9,970.50
Subaccoun	t: 13349		A 0062-01	4 US 6/Va	nsquez, I-70	to I-7 Region	n: 6	
Subaccoun	<i>t: 13349</i>	6 P Tons 6000	A 0062-01	1 Gradin	nsquez, I-70	to I-7 Region	n: 6 46.00	
Subaccoun Mix Design	t: 13349 No: 10587 Tests	6 P	A 0062-01	1 Gradir Quality Level	nsquez, I-70	Price Per Ton: \$4	n: 6 46.00 Std. Dev.	Mix Design I/DP: \$9,970.50  Den Mean: 93.673
Subaccoun  Mix Design	t: 13349 No: 10587 Tests 6	6 P Tons 6000	4 0062-01 Process No: PF 1.0	1 Gradir Quality Level 100.000	ng: S Pay Factor 1.03500	Price Per Ton: \$4 1/DP \$2,898.00	n: 6 46.00 Std. Dev. 0.106	Mix Design I/DP: \$9,970.50
Subaccoun  Mix Design    AC  Density	t: 13349 No: 10587 Tests 6 11 3	6 P Tons 6000 5500 6000	4 0062-01 Process No: PF 1.0	1 Gradir Quality Level 100.000 99.966 100.000	ng: S Pay Factor 1.03500 1.04500 1.02500	Price Per Ton: \$4 1/DP \$2,898.00 \$5,692.50	n: 6 46.00 Std. Dev. 0.106 0.645	Mix Design I/DP: \$9,970.50  Den Mean: 93.673
Mix Design  AC  Density  Gradation	t: 13349 No: 10587 Tests 6 11 3	6 P Tons 6000 5500 6000	A 0062-01 Process No: PF 1.0	1 Gradir Quality Level 100.000 99.966 100.000	ng: S Pay Factor 1.03500 1.04500 1.02500	Price Per Ton: \$4  1/DP \$2,898.00 \$5,692.50 \$1,380.00  Price Per Ton: \$5	n: 6 46.00 Std. Dev. 0.106 0.645	Mix Design I/DP: \$9,970.50  Den Mean: 93.673  Grad Key Sieve: All QLs1
Mix Design  AC  Density  Gradation	t: 13349 No: 10587 Tests 6 11 3 No: 10587	6 P Tons 6000 5500 6000	4 0062-01 Process No: PF 1.0 0	1 Gradir Quality Level 100.000 99.966 100.000 1 Gradir	ng: S Pay Factor 1.03500 1.04500 1.02500	Price Per Ton: \$4  1/DP \$2,898.00 \$5,692.50 \$1,380.00  Price Per Ton: \$5	n: 6 46.00 Std. Dev. 0.106 0.645	Mix Design I/DP: \$9,970.50  Den Mean: 93.673  Grad Key Sieve: All QLs1
Mix Design  AC  Density  Gradation  Mix Design	t: 13349 No: 10587 Tests 6 11 3 No: 10587 Tests	6 P Tons 6000 5500 6000 8 P Tons	4 0062-01 Process No: PF 1.0 0	1 Gradir Quality Level 100.000 99.966 100.000 1 Gradir Quality Level	nsquez, I-70 ng: S Pay Factor 1.03500 1.04500 1.02500 ng: S Pay Factor	Price Per Ton: \$4  1/DP \$2,898.00 \$5,692.50 \$1,380.00  Price Per Ton: \$5	n: 6  46.00  Std. Dev. 0.106 0.645 52.00  Std. Dev.	Mix Design I/DP: \$9,970.50  Den Mean: 93.673 Grad Key Sieve: All QLs1  Mix Design I/DP: \$41,209.97  Den Mean: 94.963
Mix Design  AC  Density  Gradation  Mix Design	t: 13349 No: 10587 Tests 6 11 3 No: 10587 Tests 25	6 P Tons 6000 5500 6000  8 P Tons 25000	A 0062-01 Process No: 0 Process No: PF 1.0	1 Gradir Quality Level 100.000 99.966 100.000 1 Gradir Quality Level 87.612	ng: S Pay Factor 1.03500 1.04500 1.02500 ng: S Pay Factor 1.00027	Price Per Ton: \$4  1/DP \$2,898.00 \$5,692.50 \$1,380.00  Price Per Ton: \$5  1/DP \$106.63	n: 6  46.00  Std. Dev. 0.106 0.645 52.00  Std. Dev. 0.182	Mix Design I/DP: \$9,970.50  Den Mean: 93.673 Grad Key Sieve: All QLs1  Mix Design I/DP: \$41,209.97
Mix Design  AC Density Gradation  AC Density Gradation	t: 13349 No: 10587 Tests 6 11 3 No: 10587 Tests 25 49 13	6 P Tons 6000 5500 6000  8 P Tons 25000 24500 26000	A 0062-01 Process No: 0 Process No: PF 1.0	1 Gradir Quality Level 100.000 99.966 100.000  1 Gradir Quality Level 87.612 97.097	ng: S Pay Factor 1.03500 1.04500 1.02500 ng: S Pay Factor 1.00027 1.05487	Price Per Ton: \$4  I/DP \$2,898.00 \$5,692.50 \$1,380.00  Price Per Ton: \$5  I/DP \$106.63 \$34,949.94	n: 6  46.00  Std. Dev. 0.106 0.645  52.00  Std. Dev. 0.182 0.934	Mix Design I/DP: \$9,970.50  Den Mean: 93.673 Grad Key Sieve: All QLs1  Mix Design I/DP: \$41,209.97  Den Mean: 94.963
Mix Design  AC Density Gradation  Mix Design  AC Density	t: 13349 No: 10587 Tests 6 11 3 No: 10587 Tests 25 49 13	6 P Tons 6000 5500 6000  8 P Tons 25000 24500 26000	A 0062-01 Process No: PF 1.0 0 Process No: PF 1.0	1 Gradir Quality Level 100.000 99.966 100.000  1 Gradir Quality Level 87.612 97.097	ng: S Pay Factor 1.03500 1.04500 1.02500 ng: S Pay Factor 1.00027 1.05487 1.02276	Price Per Ton: \$4  I/DP \$2,898.00 \$5,692.50 \$1,380.00  Price Per Ton: \$5  I/DP \$106.63 \$34,949.94	#6.00 Std. Dev. 0.106 0.645  52.00 Std. Dev. 0.182 0.934	Mix Design I/DP: \$9,970.50  Den Mean: 93.673 Grad Key Sieve: All QLs1  Mix Design I/DP: \$41,209.97  Den Mean: 94.963
Mix Design  AC Density Gradation  AC Density Gradation	t: 13349 No: 10587 Tests 6 11 3 No: 10587 Tests 25 49 13	6 P Tons 6000 5500 6000  8 P Tons 25000 24500 26000	A 0062-01 Process No: PF 1.0 0 Process No: PF 1.0	1 Gradir Quality Level 100.000 99.966 100.000  1 Gradir Quality Level 87.612 97.097 89.567	ng: S Pay Factor 1.03500 1.04500 1.02500 ng: S Pay Factor 1.00027 1.05487 1.02276 Tons:	Price Per Ton: \$4  I/DP \$2,898.00 \$5,692.50 \$1,380.00  Price Per Ton: \$5  I/DP \$106.63 \$34,949.94	#6.00 Std. Dev. 0.106 0.645  52.00 Std. Dev. 0.182 0.934 	Mix Design I/DP: \$9,970.50  Den Mean: 93.673 Grad Key Sieve: All QLs1  Mix Design I/DP: \$41,209.97  Den Mean: 94.963
Mix Design  AC Density Gradation  AC Density Gradation	t: 13349 No: 10587 Tests 6 11 3 No: 10587 Tests 25 49 13	6 P Tons 6000 5500 6000  8 P Tons 25000 24500 26000	Process No: PF 1.0  Orocess No: PF 1.0  O  Asphal	1 Gradir Quality Level 100.000 99.966 100.000 1 Gradir Quality Level 87.612 97.097 89.567	rsquez, I-70 ng: S Pay Factor 1.03500 1.04500 1.02500 ng: S Pay Factor 1.00027 1.05487 1.02276 Tons: 31,000	Price Per Ton: \$4  I/DP \$2,898.00 \$5,692.50 \$1,380.00  Price Per Ton: \$5  I/DP \$106.63 \$34,949.94	n: 6  46.00  Std. Dev. 0.106 0.645  52.00  Std. Dev. 0.182 0.934  I/DP: \$3,004.63	Mix Design I/DP: \$9,970.50  Den Mean: 93.673 Grad Key Sieve: All QLs1  Mix Design I/DP: \$41,209.97  Den Mean: 94.963

Comments: Final quantities not equal

: 13390	IM	0252-342	I-25 Me	vada/Tejon	Regio	on: 2	Supplier: 49
lo: 199	P	rocess No:	1 Gradin	ıg: S	Price Per Ton: \$	\$41.29	Mix Design I/DP: \$12,969.56
Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
11	11224		98.635	1.04500	\$6,256.43	0.139	
21	11224	0	98.338	1.05000	\$11,585.97	0.482	Den Mean: 92.981
5	11224		67.510	0.94743	(\$4,872.84)		Grad Key Sieve: 1/2
lo: 231	Р	rocess No:	1 Gradin	ng: S	Price Per Ton: \$	\$41.29	Mix Design I/DP: \$8,678.72
Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
8	8000		58.092	0.84450	(\$15,408.99)	0.242	
41	20064	0	96.761	1.05326	\$22,063.46	0.700	Den Mean: 93.273
11	20064		86.775	1.01222	\$2,024.25		Grad Key Sieve: 3/8
lo: 231	Р	Process No: 2 Grad		ng: S	Price Per Ton: §	\$41.29	Mix Design I/DP: \$6,724.65
Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
12	12064		94.624	1.04500	\$6,724.65	0.164	
	0	0			\$0.00		Den Mean:
					\$0.00		Grad Key Sieve:
lo: SCH03	3220 P	rocess No:	1 Gradir	ng: S	Price Per Ton: S	\$41.29	Mix Design I/DP: (\$2,089.76
Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
4	3212		70.578	0.98157	(\$733.35)	0.283	
7	3212	0	89.522	1.03312	\$2,196.00	0.745	Den Mean: 92.914
2	3212			0.86607	(\$3,552.41)		Grad Key Sieve:
				Tons:		I/DP:	
ıls 1339	0	Asphal	t Content	34,500		(\$3,161.26)	
		Ma	t Density	34,500		\$35,845.43	
			Gradation	34,500		(\$6,401.00)	
						(40).01.00/	
1 1	lo: 199 Tests 11 21 5 lo: 231 Tests 8 41 11 Tests 12 lo: SCH03 Tests 4 7 2	lo: 199 P Tests Tons 11 11224 21 11224 5 11224 lo: 231 P Tests Tons 8 8000 41 20064 11 20064 lo: 231 P Tests Tons 12 12064 0 lo: SCH03220 F Tests Tons 4 3212 7 3212	lo: 199	Co: 199	Tests   Tons   PF 1.0   Quality Level   Pay Factor   11   11224   0   98.635   1.04500   5   11224   0   98.338   1.05000   5   11224   67.510   0.94743	Tests Tons PF 1.0 Quality Level Pay Factor I/DP 11 11224	Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev.  11 11224 98.635 1.04500 \$6,256.43 0.139 21 11224 0 98.338 1.05000 \$11,585.97 0.482 5 11224 67.510 0.94743 (\$4,872.84)  10: 231 Process No: 1 Grading: S Price Per Ton: \$41.29  Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev. 8 8000 58.092 0.84450 (\$15,408.99) 0.242 41 20064 0 96.761 1.05326 \$22,063.46 0.700 11 20064 86.775 1.01222 \$2,024.25  10: 231 Process No: 2 Grading: S Price Per Ton: \$41.29  Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev. 12 12064 94.624 1.04500 \$6,724.65 0.164 0 0 \$0.00 \$0.00  10: SCH03220 Process No: 1 Grading: S Price Per Ton: \$41.29  Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev. 4 3212 70.578 0.98157 (\$733.35) 0.283 7 3212 0 89.522 1.03312 \$2,196.00 0.745 2 3212 0.86607 (\$3,552.41)  Tons: I/DP: als 13390 Asphalt Content 34,500 (\$3,161.26) Mat Density 34,500 \$35,845.43

Subaccount: 13441		IM	0252-344	I-25 & A	Academy Bl	vd Regi	ion: 2	Supplier: 45
Mix Design I	No: 174	Р	rocess No:	1 Gradin	ıg: S	Price Per Ton:	\$35.00	Mix Design I/DP: (\$2,347.52)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	2	455		-	0.80625	(\$925.64)		
Density		0	455			\$0.00		Den Mean:
Gradation		455			0.55357	(\$1,421.88)		Grad Key Sieve:
Mix Design I	No: 175	P	rocess No:	1 Gradin	ng: S	Price Per Ton:	\$35.00	Mix Design I/DP: (\$243.14)
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	2	677		-	1.00000	\$0.00		
Density		0	741			\$0.00		Den Mean:
Gradation	2	741			0.95313	(\$243.14)		Grad Key Sieve:
Mix Design I	No: 175	Р	rocess No:	2 Gradin	ng: S	Price Per Ton:	\$35.00	Mix Design I/DP: (\$672.00)
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	1	64			•	(\$672.00)		
Density		0	0			\$0.00		Den Mean:
Gradation						\$0.00		Grad Key Sieve:
Mix Design	No: 176	Р	rocess No:	1 Gradir	ng: S	Price Per Ton:	\$42.00	Mix Design I/DP: (\$13,715.99
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	8	8000		66.183	0.90435	(\$9,641.74)	0.285	
Density	16	8000	0	85.840	0.99898	(\$171.87)	1.356	Den Mean: 93.706
Gradation	3	6000		54.873	0.92257	(\$3,902.38)		Grad Key Sieve: No. 4
Mix Design	No: 176	P	rocess No:	2 Gradin	ng: S	Price Per Ton:	\$42.00	Mix Design I/DP: (\$8,999.93)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC				-	-	\$0.00		
Density		0	0			\$0.00		Den Mean:
Gradation		2000			0.46429	(\$8,999.93)		Grad Key Sieve:
					Tons:		I/DP:	
Project To	tals 1344	1	Asphal	t Content	9,196		(\$11,239.38)	
-			Ma	t Density	9,196		(\$171.87)	
			(	Gradation	9,196		(\$14,567.33)	
				Quantity	17,597	Project I/DF	P: (\$25,978.58)	

Comments: Various tests 2xV out

	: 13448	STA	<b>1 012A-0</b> 3	35 Trinidae	d State Pari	k Regio	on: 2	Supplier:	53
Mix Design N	lo: 177	P	rocess No:	1 Gradin	ng: S	Price Per Ton: \$	39.50	Mix Design I/DP: (	\$4,167.71)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	3	2900		52.399	0.90603	(\$3,229.27)	0.345		
Density	6	2900	0	88.897	1.03288	\$1,882.99	0.335	Den Mear	n: 92.4
Gradation	1	2000			0.82143	(\$2,821.43)		Grad Key Sieve	<b>:</b> :
Mix Design N	lo: 177	Р	rocess No:	2 Gradin	ng: S	Price Per Ton: \$	39.50	Mix Design I/DP: (	\$5,078.60)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC						\$0.00			
Density		0	0			\$0.00		Den Mear	n:
Gradation	1	900			0.28571	(\$5,078.60)		Grad Key Sieve	e:
Mix Design N	lo: 177B	Р	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	39.50	Mix Design I/DP: \$	26,182.61
	Tests	Tons	<b>PF</b> 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	20	20000		95.211	1.04764	\$11,291.49	0.158		
Density	40	20000	0	98.375	1.05500	\$21,725.00	0.859	Den Mear	n: 93.993
Gradation	10	20000		75.983	0.95675	(\$6,833.88)		Grad Key Sieve	<b>∋:</b> 1/2
					Tons:		I/DP:		
Project Tota	ils 1344	8	Asphal	t Content	22,900		\$8,062.22		
			Ma	t Density	22,900		\$23,607.99		
			(	Gradation	22,900		(\$14,733.91)		
			Plan	Quantity	21,278	Project I/DP:	\$16,936.30		
Commen	ts: Singl	e tests o	ut.	-	ŕ	·			
Subaccount	: 13485	STA	4 006A-03	34 Old P.O	.E. West	Regio	on: 3	Supplier:	16
Mix Design N	lo: 292	P	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	Mix Design I/DP: \$	\$1,844.82	
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	· I/DP	Std. Dev.		
AC	3	2847		100.000	1.02500	\$614.94	0.118		
Density	5	2847	0	100.000	1.03000	\$1,229.88	0.555	Den Mear	n: 93.76
Gradation	2	2847			1.00000	\$0.00		Grad Key Sieve	e:
Mix Design N	lo: 300	Р	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$	29.40	Mix Design I/DP:	(\$12,688.81
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.		
AC	4	4000		36.562	0.73439	(\$9,370.81)	0.248		
Density	4	2000	2000	91.111	1.03000	\$882.00	0.750	Den Mea	n: 92.925
Gradation	2	4000			0.82143	(\$4,200.00)		Grad Key Sieve	e:
	lo: 202		rocess No:	1 Gradii	ng: SX	Price Per Ton: \$	32.97	Mix Design I/DP:	\$9,376.91
Mix Design N	10. 302	P							
Mix Design N	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	r I/DP	Std. Dev.		
Mix Design N				Quality Level 84.805	Pay Factor 1.00254	r <b>I/DP</b> \$272.07	Std. Dev. 0.188		
	Tests	Tons		-	•				n: 93.291
AC	Tests 11	<b>Tons</b> 10809	<b>PF</b> 1.0	84.805	1.00254	\$272.07	0.188	Den Mea Grad Key Siev	
AC Density	Tests 11 22 7	Tons 10809 10809 10809	<b>PF</b> 1.0	84.805 96.659 82.003	1.00254 1.05000	\$272.07 \$8,909.50	0.188 0.725		e: No. 30
AC Density Gradation	Tests 11 22 7	Tons 10809 10809 10809	<b>PF 1.0</b>	84.805 96.659 82.003	1.00254 1.05000 1.00274	\$272.07 \$8,909.50 \$195.34 Price Per Ton: \$	0.188 0.725	Grad Key Siev	e: No. 30
AC Density Gradation	Tests 11 22 7	Tons 10809 10809 10809	PF 1.0 0 Process No:	84.805 96.659 82.003	1.00254 1.05000 1.00274	\$272.07 \$8,909.50 \$195.34 Price Per Ton: \$	0.188 0.725  529.00	Grad Key Siev	e: No. 30
AC Density Gradation	Tests 11 22 7 No: 303 Tests	Tons 10809 10809 10809 F	PF 1.0 0 Process No:	84.805 96.659 82.003 1 Gradii Quality Level	1.00254 1.05000 1.00274 ng: SX	\$272.07 \$8,909.50 \$195.34 Price Per Ton: \$	0.188 0.725  629.00 <b>Std. Dev.</b>	Grad Key Siev	e: No. 30
AC Density Gradation Mix Design N	Tests 11 22 7 No: 303 Tests 5	Tons 10809 10809 10809 F Tons 4553	PF 1.0  Orocess No: PF 1.0	84.805 96.659 82.003 1 Gradii Quality Level 54.402	1.00254 1.05000 1.00274 ng: SX Pay Factor 0.86136	\$272.07 \$8,909.50 \$195.34 Price Per Ton: \$ r	0.188 0.725  529.00 <b>Std. Dev.</b> 0.364	Grad Key Siev	e: No. 30 (\$3,931.36) n: 93.044
AC Density Gradation  Mix Design N  AC Density	Tests 11 22 7 No: 303 Tests 5 9	Tons 10809 10809 10809 F Tons 4553 4553	PF 1.0  Orocess No: PF 1.0	84.805 96.659 82.003 1 Gradii Quality Level 54.402	1.00254 1.05000 1.00274 ng: SX Pay Factor 0.86136 1.02364	\$272.07 \$8,909.50 \$195.34 Price Per Ton: \$ r	0.188 0.725  529.00 <b>Std. Dev.</b> 0.364 0.872	Grad Key Sieve Mix Design I/DP:  Den Mea	e: No. 30 (\$3,931.36) n: 93.044
AC Density Gradation  Mix Design N  AC Density	Tests 11 22 7 No: 303 Tests 5 9 2	Tons 10809 10809 10809 F Tons 4553 4553	PF 1.0 0 Process No: PF 1.0 0	84.805 96.659 82.003 1 Gradii Quality Level 54.402	1.00254 1.05000 1.00274 ng: SX Pay Factor 0.86136 1.02364 1.00000	\$272.07 \$8,909.50 \$195.34 Price Per Ton: \$ r	0.188 0.725  629.00 <b>Std. Dev.</b> 0.364 0.872	Grad Key Sieven Mix Design I/DP:  Den Mea Grad Key Sieven	e: No. 30 (\$3,931.36) n: 93.044
AC Density Gradation  Mix Design N  AC Density Gradation	Tests 11 22 7 No: 303 Tests 5 9 2	Tons 10809 10809 10809 F Tons 4553 4553	PF 1.0  Orocess No: PF 1.0  O	84.805 96.659 82.003 1 Gradii Quality Level 54.402 88.742	1.00254 1.05000 1.00274 ng: SX Pay Factor 0.86136 1.02364 1.00000	\$272.07 \$8,909.50 \$195.34 Price Per Ton: \$ r	0.188 0.725  529.00 Std. Dev. 0.364 0.872 	Grad Key Sieven Mix Design I/DP:  Den Mea Grad Key Sieven	e: No. 30 (\$3,931.36) n: 93.044
AC Density Gradation  Mix Design N  AC Density Gradation	Tests 11 22 7 No: 303 Tests 5 9 2	Tons 10809 10809 10809 F Tons 4553 4553	PF 1.0  Orocess No: PF 1.0  O  Aspha	84.805 96.659 82.003 1 Gradii Quality Level 54.402 88.742	1.00254 1.05000 1.00274 ng: SX Pay Factor 0.86136 1.02364 1.00000 Tons: 22,209 22,209	\$272.07 \$8,909.50 \$195.34 Price Per Ton: \$ r	0.188 0.725  529.00 Std. Dev. 0.364 0.872  I/DP: (\$13,975.73)	Grad Key Sieven Mix Design I/DP:  Den Mea Grad Key Sieven	e: No. 30 (\$3,931.36) n: 93.044
AC Density Gradation  Mix Design N  AC Density Gradation	Tests 11 22 7 No: 303 Tests 5 9 2	Tons 10809 10809 10809 F Tons 4553 4553	PF 1.0  Orocess No: PF 1.0  O  Aspha	84.805 96.659 82.003 1 Gradii Quality Level 54.402 88.742	1.00254 1.05000 1.00274 ng: SX Pay Factor 0.86136 1.02364 1.00000 Tons: 22,209	\$272.07 \$8,909.50 \$195.34 Price Per Ton: \$ r	0.188 0.725  529.00 Std. Dev. 0.364 0.872  I/DP: (\$13,975.73) \$12,581.95 (\$4,004.66)	Grad Key Sieven Mix Design I/DP:  Den Mea Grad Key Sieven	e: No. 30 (\$3,931.36) n: 93.044

Subaccount	: 13505	ST	4 1602-08	4 US 160	W. of Bayfi	ield Regio	on: 5	Supplier:
Mix Design N	lo: 147	Р	rocess No:	1 Gradin	g: SX	Price Per Ton: \$	34.12	Mix Design I/DP: (\$10,128.31
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	8	7558		100.000	1.04000	\$3,094.31	0.102	
Density	16	7558	0	73.509	0.91972	(\$10,350.18)	1.166	Den Mean: 92.744
Gradation	4	7558	·	63.525	0.94430	(\$2,872.44)		Grad Key Sieve: No. 4
Mix Design N	lo: 152	P	rocess No:	1 Gradin	g: SX	Price Per Ton: \$	34.05	Mix Design I/DP: (\$21,240.24
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	20	19008		98.748	1.05000	\$9,708.57	0.121	
Density	39	19008	0	76.641	0.90760	(\$29,901.31)	1.477	Den Mean: 93.213
Gradation	9	17008	U	81.684	0.99096	(\$1,047.50)		Grad Key Sieve: No. 4
Mix Design N	lo: 152		Process No:	2 Gradin	ng: SX	Price Per Ton: \$	34.05	Mix Design I/DP: (\$7,296.55)
	Tests	Tons	PF 1.0	Quality Level	_		Std. Dev.	
AC	16362	10113	F1 1.0	addity Level	ray racion	\$0.00	Old. Dev.	
			^					Den Mean:
Density		0000	0		0.40400	\$0.00		
Gradation	1	2000			0.46429	(\$7,296.55)		Grad Key Sieve:
Mix Design N	lo: 154	P	Process No:	1 Gradin	ng: SX	Price Per Ton: \$	\$34.32	Mix Design I/DP: (\$4,357.83)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.	
AC	7	6041		96.827	1.03500	\$2,177.09	0.165	
Density	12	5541	0	80.080	0.97456	(\$2,419.13)	0.928	Den Mean: 92.792
Gradation	4	6041	-	56.623	0.90075	(\$4,115.79)		Grad Key Sieve: No. 4
Mix Design N	No: 154	F	Process No:	2 Gradir	ng: SX	Price Per Ton:	\$34.32	Mix Design I/DP: (\$4,485.35)
_	Tests	Tons	PF 1.0	Quality Level	Pay Factor	· I/DP	Std. Dev.	
AC	10010	, 0110			,	\$0.00		
Density		500	0		0.47727	(\$4,485.35)		Den Mean:
Gradation		300	U		0.41121	\$0.00		Grad Key Sieve:
					Tons:		I/DP:	
Project Tot	als 1351	25	Acabal	t Content	32,607		\$14,979.97	
I Tojeci I on	uis 1550	,,,			•			
				t Density	32,607		(\$47,155.97)	
			(	Gradation	32,607		(\$15,332.28)	
			Plan	Quantity	30,021	Project I/DP	: (\$47,508.28)	)
Commer	nts: Vand	ous singl	le tests 2 x \	√ out.				
Subaccoun	t: 13525	CC	C R300-08	4 Crawfor	rd State Pa	rk Regi	ion: 3	Supplier: 12
Mix Design I	No: 10270	)1 F	Process No:	1 Gradi	ng: SX	Price Per Ton:	\$59.15	Mix Design I/DP: \$1,690.25
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Facto	r I/DP	Std. Dev.	
AC	4	3175		100.000	1.03000	\$1,690.25	0.103	
Density	•	0 0				\$0.00		Den Mean:
Gradation	2	3175			1.00000	\$0.00		Grad Key Sieve:
Jiadation								-
					Tons:		I/DP:	
Project Tot	tals 135.	25	Aspha	It Content	3,175		\$1,690.25	
_			Ma	at Density	3,175		\$0.00	l .
				Gradation	3,175		\$0.00	ı
				Quantity	3,274	Project I/DP	e: \$1,690.25	}
Comme	nts:				-,	-	•	
Comme								

Mix Design No	. 125275								
	. 133376	3 Pi	ocess No:	1 Gradir	ng: SX	Price Per Ton: \$4	11.20	Mix Design I/DP: \$	98,417.44
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	52	51980		99.992	1.05500	\$35,337.55	0.081		
Density	104	51980	0	96.910	1.05081	\$54,411.21	0.919	Den Mean	: 93.832
Gradation	26	51980		90.832	1.02024	\$8,668.68		Grad Key Sieve	: 1/2
					Tons:		I/DP:		
Project Total.	s 1353	7	Asphal	Content	51,980		\$35,337.55		
			Mat	Density	51,980		\$54,411.21		
			C	Bradation	51,980		\$8,668.68		
			Plan	Quantity	47,807	Project I/DP:	\$98,417.44		
Comments	s: 								
Subaccount:	13538	BR	0504-041	Otero C	anal in La	Junta Regio	n: 2	Supplier:	54
Mix Design No	: 196	Р	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	47.16	Mix Design I/DP: \$	10,087.92
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	6	6097		97.378	1.03500	\$3,019.21	0.137		
Density	13	6097	0	93.167	1.03917	\$5,630.99	0.880	Den Mear	
Gradation	3	6097		95.784	1.02500	\$1,437.72		Grad Key Sieve	: 3/8
				-	Tons:	-	I/DP:		
Project Total	ls 1353	8	Asphal	t Content	6,097		\$3,019.21		
			Ma	t Density	6,097		\$5,630.99		
			(	Gradation	6,097		\$1,437.72		
			Plan	Quantity	5,695	Project I/DP:	\$10,087.92		
Comments	s:								
Subaccount:	13539	BR	3501-009	SH 350	Bridge Rep	olacem Regio	on: 2	Supplier:	54
Mix Design No	o: 189	P	rocess No:	1 Gradi	ng: S	Price Per Ton: \$	48.00	Mix Design I/DP: (	\$15,283.93)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	r I/DP	Std. Dev.		
AC	6	5276		54.117	0.83715	(\$12,372.54)	0.208		
Density	11	5276	0	78.275	0.96701	(\$4,177.63)	1.222	Den Mear	
Gradation	3	5276		100.000	1.02500	\$1,266.24		Grad Key Sieve	: All QLs10
					Tons:		I/DP:		
Project Total	ls 1353	9	Aspha	t Content	5,276		(\$12,372.54)	•	
			Ма	t Density	5,276		(\$4,177.63)	)	
			(	Gradation	5,276		\$1,266.24		
			Plan	Quantity	4,949	Project I/DP:	(\$15,283.93)	)	
Comment	s:								

Subaccoun	t: 13734	ST	4 0131-04	5 Rifle No	rth	Regio	n: 3	Supplier: 20
Mix Design N	No: 283	Р	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$3	35.26	Mix Design I/DP: \$1,123.49
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	5	3540		100.000	1.03000	\$1,123.49	0.113	25000000000
Density	36	0	3540			\$0.00		Den Mean:
Gradation	1	3540				\$0.00	77057	Grad Key Sleve:
Mix Design N	No: 287	P	rocess No:	1 Gradin	ig: SX	Price Per Ton: \$3	34.92	Mix Design I/DP: \$4,915.42
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor		Std. Dev.	
AC	8	7821		100.000	1.04000	\$3,276.95	0.093	0 0
Density		0	7821		**************************************	\$0.00		Den Mean:
Gradation	4	7821		97.140	1.03000	\$1,638.47	****	Grad Key Sleve: 3/8
Mix Design I	No: 288	P	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$3	34.91	Mix Design I/DP: \$6,132.03
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	U/DP	Std. Dev.	
AC	9	9244		99.939	1.04000	\$3,872.86	0.118	
Density	115000	0	9244		10 10 10 10 10 10 10	\$0.00		Den Mean:
Gradation	6	9244		94.865	1.03500	\$2,259.17	****	Grad Key Sieve: No. 8
					Tons:		I/DP:	
Project Totals 1373		4	Asphal	t Content	20,605		\$8,273.30	
			Ma	t Density	20,605		\$0.00	
			(	Gradation	20,605		\$3,897.64	
			Plan	Quantity	15,011	Project I/DP;	\$12,170.94	
Comme	nts:							
Subaccoun	t: 93200	BR	050-4(02	0) W of Jc	t 7I	Regio	n: 2	Supplier: 17
Mix Design	No: 160	P	rocess No:	1 Gradii	ng: S	Price Per Ton: \$30.00		Mix Design I/DP: (\$6,289.84)
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	4	3003		62.862	0.94042	(\$1,610.16)	0.285	81 53
Density	7	3003	0	93.325	1.03500	\$1,576.57	0.675	Den Mean: 92.957
Gradation	2	3003			0.65278	(\$6,256.25)		Grad Key Sieve:
		920 U	- T	100	Tons:		I/DP:	
Project To	tals 9320	0	Aspha	It Content	3,003		(\$1,610.16)	
				t Density	3,003		\$1,576.57	
				Gradation	3,003		(\$6,256.25)	
			Plan	Quantity	3,452	Project I/DP:	(\$6,289.84)	
Comme	nts:							
Comme  Totals fo		ojects	Projects	with Bid Date	s from 1/1	/01 to 12/31/01		
		ojects	v succession and	with Bid Date		/01 to 12/31/01	9000	
		ojects	v succession and			/01 to 12/31/01		
	r all Pr	ojects	N	umber of Proce	esses: 81		700	
	r all Pro	alt Con	No	umber of Proce	esses: 81 I/DP:	4	900	
	r all Pro	alt Con	No tent esity	Tons: 748,852	VDP: \$157,854.64 \$346,901.65	4	700.0	
	r all Pro	alt Con	No tent esity	Tons: 748,852 736,237	l/DP: \$157,854.6	4 3 4)	700	

#### Calculated Pay Factor Composite and I/DP by Region

Criteria: Projects with Bid Dates from 1/1/01 to 12/31/01.

Projects with Plan Quantities from 0 to 200000 tons.

PFC is back calculated from the Project's I/DP.

A Calculated Average Unit Price is used in the calculation.

O	<i>1</i>				Total	Average	Pay Factor		
Subacct.	Bid Date	Project Code	Reg.	Grading	Tons	Price	Composite	Project I/DP	Supplier
12524	05/10/01	IM 0252-323	1	S	16,886	\$45.96	1.01295	\$10,051.89	45
13008	01/25/01	IM 0703-226	1	S	23,373	\$45.00	0.99761	(\$2,511.60)	14
Region	1	Number of Proj	ects:	2	CPFC:	Maximum:	1.01295		
		Total T	ons:	40,259		Minimum:	0.99761		
						Average:	1.00528		
		Incentiv	e/Disi	ncentive P	ayments		Sum I/DPs:	\$7,540.29	
		P	ositive	e ID/Ps:	1		Maximum:	\$10,051.89	
		N	egative	e ID/Ps:	1		Minimum:	(\$2,511.60)	
						A	verage IDP:	\$3,770.15	
Region	1 2								
Subacct.	Bid Date	Project Code	Reg.	Grading	Total Tons	Average Price	Pay Factor Composite	Project I/DP	Supplier
13538	08/23/01	BR 0504-041	2	S	6,097	\$47.16	1.03508	\$10,087.92	54
12390	08/16/01	IM 0851-002	2	S	7,488	\$30.00	1.03499	\$7,859.55	49
13131	05/24/01	NH 0242-031	2	S	43,155	\$34.50	1.03107	\$46,253.77	32
13448	06/07/01	STA 012A-03	2	s	22,900	\$39.50	1.01872	\$16,936.30	53
13390	01/11/01	IM 0252-342	2	s	34,500	\$41.29	1.01845	\$26,283.17	49
12829	10/04/01	BR 096A-033	2	s	3,000	\$40.00	1.01062	\$1,274.67	32
11955	01/11/01	STA 1151-009	2	s	63,731	\$30.00	1.00927	\$17,728.64	32
12391	08/02/01	NH 0242-028	2	s	10,017	\$42.02	0.99247	(\$3,169.71)	45
12495	07/12/01	STU 0831-07	2	s	11,963	\$40.75	0.93992	(\$29,290.19)	44
13539	09/06/01	BR 3501-009	2	s	5,276	\$48.00	0.93965	(\$15,283.93)	54
13441	04/05/01	IM 0252-344	2	s	9,196	\$41.09	0.93125	(\$25,978.58)	45
93200	01/18/01	BR 050-4(020	2	8	3,003	\$30.00	0.93018	(\$6,289.84)	17
Region	2	Number of Pro	jects:	12	CPFC:	Maximum:	1.03508		
		Total 7	Tons:	220,326		Minimum:	0.93018		
						Average:	0.99097		
		Incentiv	ve/Disi	ncentive F	ayments		Sum I/DPs:	\$46,411.77	
		F	Positiv	e ID/Ps:	7		Maximum:	\$46,253.77	
		N	egativ	e ID/Ps:	5		Minimum:	(\$29,290.19)	
			-				Average IDP:	\$3,867.65	

Region Subacct.	Bid Date	Project Code	Reg.	Grading	Total Tons	Average Price	Pay Factor Composite	Project I/DP	Supplier
13325	03/15/01	NH 0501-045	3	sx	59,794	\$34.57	1.04384	\$90,629.19	
13108	06/14/01	STA 092A-01	3	SX	81,937	\$38.20	1.03528	\$110,449.67	14
13106	01/04/01	STA 0641-011	3	SX	13,023	\$41.15	1.02307	\$12,363.11	12
13734	07/12/01	STA 0131-045	3	sx	20,605	\$34.97	1.01689	\$12,170.94	20
13109	03/08/01	STA 0141-013	3	F	27,053	\$36.66	1.01676	\$16,617.00	14
13330	01/25/01	MC 330A-007	3	SX	16,775	\$37.64	1.01274	\$8,047.89	17
13525	01/18/01	CC R300-084	3	sx	3,175	\$59.15	1.00900	\$1,690.25	12
13328	01/18/01	STA R300-07	3	SX	2,340	\$55.90	1.00750	\$981.04	12
12305	05/17/01	BR 5502-031	3	sx	6,856	\$57.73	0.99849	(\$597.29)	12
13087	07/19/01	STR 135A-01	3	sx	19,340	\$44.50	0.99812	(\$1,619.22)	12
13485	08/02/01	STA 006A-03	3	sx	22,209	\$30.98	0.99215	(\$5,398.44)	16
13112	02/15/01	STA 0502-052	3	SX	12,935	\$37.64	0.97675	(\$11,319.84)	12
Region	3	Number of Pro	ects:	12	CPFC:	Maximum:	1.04384		
		Total 1	ons:	286,042		Minimum:	0.97675		
						Average:	1.01088		
		Incentiv	re/Disi	ncentive P	ayments		Sum I/DPs:	\$234,014.30	
		F	ositive	e ID/Ps:	8		Maximum:	\$110,449.67	
		N	egativ	e ID/Ps:	4		Minimum:	(\$11,319.84)	
						4	verage IDP:	\$19,501.19	
Region	n 4								
	Bid Date	Project Code	Reg.	Grading	Total Tons	Average Price	Pay Factor Composite	Project I/DP	Supplier
13147	04/26/01	NH 0342-035	4	s	27,853	\$30.10	1.03670	\$30,763.32	40
Region	4	Number of Pro	jects:	1	CPFC:	Maximum	1.03670		
				27,853		Minimum	1.03670		
						Average	: 1.03670		
		Incenti	ve/Dis	incentive I	Payments		Sum I/DPs:	\$30,763.32	
		3	Positiv	e ID/Ps:	1		Maximum:	\$30,763.32	
			legativ	e ID/Ps:	0		Minimum:	\$30,763.32	
			10000				Average IDP:	\$30,763.32	

Region	1 5				Total	A	Day Factor		
Subacct.	Bid Date	Project Code	Reg.	Grading	Total Tons	Average Price	Pay Factor Composite	Project I/DP	Supplier
13537	08/02/01	NH 1602-085	5	SX	51,980	\$41.20	1.04596	\$98,417.44	56
12801	03/22/01	NH 1602-076	5	SX	3,466	\$47.00	1.02168	\$3,530.94	25
13505	02/01/01	STA 1602-084	5	SX	32,607	\$34.12	0.95729	(\$47,508.28)	8
Region	5	Number of Pro	jects:	3	CPFC:	Maximum:	1.04596		
		Total 7	ons:	88,053		Minimum:	0.95729		
						Average:	1.00831		
		Incentiv	/e/Disi	ncentive P	ayments		Sum I/DPs:	\$54,440.10	-
		F	ositiv	e ID/Ps:	2		Maximum:	\$98,417.44	
		N	egativ	e ID/Ps:	1		Minimum:	(\$47,508.28)	
						A	verage IDP:	\$18,146.70	
Region	n 6				_				
Subacct.	Bid Date	Project Code	Reg.	Grading	Total Tons	Average Price	Pay Factor Composite	Project I/DP	Supplier
13349	01/04/01	STA 0062-014	6	S	31,000	\$50.84	1.03195	\$51,180.47	45
13178	05/17/01	BR 0073-005	6	S	52,567	\$31.30	1.02851	\$46,903.55	33
13275	09/06/01	IM 0761-182	6	S	2,752	\$42.00	1.02250	\$2,600.64	33
Region	6	Number of Pro	jects:	3	CPFC:	Maximum:	1.03195		
		Total	Tons:	86,319		Minimum:	1.02250		
						Average:	1.02765		
		Incenti	ve/Disi	ncentive F	Payments	i	Sum I/DPs:	\$100,684.66	
		ŀ	Positiv	e ID/Ps:	3		Maximum:	\$51,180.47	
		٨	legativ	e ID/Ps:	0		Minimum;	\$2,600.64	
							Average IDP:	\$33,561.55	
Statewi	de Tota	<i>ls:</i> 1/1/01	to 12	/31/01.	Plan Q	uantities 0	to 200000 to	ons.	
		Number of Pro	jects:	33	CPFC	Maximum:	1.04596		
		Total T		48,852		Minimum:	0.93018		
						Average:	1.00538		
		Incenti	ve/Disi	ncentive F	Payments		Sum I/DPs:	\$473,854.44	
		ı	Positiv	e ID/Ps:	22		Maximum:	\$110,449.67	
		٨	egativ	e ID/Ps:	11		Minimum:	(\$47,508.28)	
						-	Average IDP:	\$14,359.23	

## Asphalt Content - Process Information

Criteria: Projects with Bid Dates from 1/1/01 to 12/31/01.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Gradin	Frading: F														
Bid Date	Subacct.	Region	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.			
03/08/01	13109	3	24044	F \$	37.26	278		3126	3	100.000	1.02500	0.046			
Totals	Grading	g: <b>F</b>								Quality Level	Pay Factor	St. Dev.			
	Number o	f Process	es: 1	Tota	al Tons:	3,126		Ma	ximum:	100.000	1.02500	0.046			
								Mi	nimum:	100.000	1.02500	0.046			
							We	eighted A	verage:	100.000	1.02500	0.046			

			•
Gra	adıı	19:	-3

Bid Date	Subacct.	Region	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.
05/10/01	12524	1	20994	S	\$49.24	5172002	1	4619	5	100.000	1.03000	0.147
09/06/01	13275	6	3332	S	\$42.00	105886	1	2752	3	100.000	1.02500	0.119
01/04/01	13349	6	35247	S	\$46.00	105876	1	6000	6	100.000	1.03500	0.106
05/10/01	12524	1	20994	S	\$44.72	<1903SH		7061	9	99.860	1.04000	0.109
01/11/01	13390	2	30149	S	\$41.29	199		11224	11	98.635	1.04500	0.139
08/23/01	13538	2	5695	S	\$47.16	196	1	6097	6	97.378	1.03500	0.137
05/17/01	13178	6	54094	S	\$31.30	105889	2	33415	34	96.725	1.05418	0.136
06/07/01	13448	2	21278	S	\$39.50	177B	1	20000	20	95.211	1.04764	0.158
01/11/01	13390	2	30149	S	\$41.29	231	2	12064	12	94.624	1.04500	0.164
04/26/01	13147	4	20504	S	\$31.05	28001	1	10736	11	94.601	1.04500	0.152
05/24/01	13131	2	40927	S	\$34.50	205	1	33155	34	93.709	1.03492	0.147
01/25/01	13008	1	22198	S	\$45.00	131511	1	21798	22	90.516	1.02048	0.174
08/02/01	12391	2	9357	S	\$42.02	185	2	8018	8	88.896	1.02665	0.169
04/26/01	13147	4	20504	S	\$29.50	36501	2	15426	17	88.729	1.01393	0.181
01/11/01	11955	2	59978	S	\$30.00	178	1	63731	64	87.705	0.98150	0.195
01/04/01	13349	6	35247	S	\$52.00	105878		25000	25	87.612	1.00027	0.182
08/16/01	12390	2	7812	S	\$30.00	186	1	7488	7	86.445	1.02162	0.178
05/17/01	13178	6	54094	S	\$31.30	105889	1	14716	14	84.313	0.99390	0.182
01/25/01	13008	1	22198	S	\$45.00	112638-2	1	1575	4	78.868	1.01601	0.225
05/17/01	13178	6	54094	S	\$31.30	105881-2	2	3608	4	78.698	1.01541	0.189
07/12/01	12495	2	11021	S	\$40.75	182	1	11963	12	74.751	0.94192	0.255
05/24/01	13131	2	40927	S	\$34.50	194	1	10000	10	73.153	0.93932	0.144
01/11/01	13390	2	30149	S	\$41.29	H032201	1	3212	4	70.578	0.98157	0.283
05/10/01	12524	1	20994	S	\$44.72	120618	1	5206	6	70.313	0.94943	0.229
04/05/01	13441	2	17597	S	\$42.00	176		8000	8	66.183	0.90435	0.285
10/04/01	12829	2	2968	S	\$40.00	210	1	3000	3	64.508	0.97707	0.295
01/18/01	93200	2	3452	S	\$30.00	160	1	3003	4	62.862	0.94042	0.285
01/11/01	13390	2	30149	S	\$41.29	231	1	8000	8	58.092	0.84450	0.242
09/06/01	13539	2	4949	S	\$48.00	189	1	5276	6	54.117	0.83715	0.208
06/07/01	13448	2	21278	S	\$39.50	177	1	2900	3	52.399	0.90603	0.345

Totals Grading: S				Quality Level	Pay Factor	St. Dev.
Number of Processes:	30	Total Tons: 369,043	Maximum:	100.000	1.05418	0.345
			Minimum:	52.399	0.83715	0.106
			Weighted Average:	87.541	1.00327	0.178

Grading:	SX
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Bid Date	Subacct.	Region	Plan Quant.	Gradin	g Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.
05/17/01	12305	3	6308	SX	\$54.90	282	1	2083	6	100.000	1.03500	0.122
02/15/01	13112	3	13254	SX	\$34.56	248	1	4648	5	100.000	1.03000	0.093
03/15/01	13325	3	59068	SX	\$35.25	239	1	1336	5	100.000	1.03000	0.122
01/18/01	13328	3	2636	SX	\$55.90	102601	1	2340	3	100.000	1.02500	0.205
08/02/01	13485	3	19908	SX	\$28.80	292	1	2847	3	100.000	1.02500	0.118
02/01/01	13505	5	30021	SX	\$34.12	147	1	7558	8	100.000	1.04000	0.102
01/18/01	13525	3	3274	SX	\$59.15	102701	1	3175	4	100.000	1.03000	0.103
07/12/01	13734	3	15011	SX	\$34.92	287	1	7821	8	100.000	1.04000	0.093
07/12/01	13734	3	15011	SX	\$35.26	283	1	3540	5	100.000	1.03000	0.113
08/02/01	13537	5	47807	SX	\$41.20	13537B	1	51980	52	99.992	1.05500	0.081
07/12/01	13734	3	15011	SX	\$34.91	288	1	9244	9	99.939	1.04000	0.118
01/04/01	13106	3	13879	SX	\$41.66	260	1	5691	6	99.923	1.03500	0.138
03/15/01	13325	3	59068	SX	\$34.56	241	1	50712	51	99.892	1.05500	0.087
07/19/01	13087	3	19548	SX	\$42.59	310	1	6284	6	99.556	1.03500	0.146
01/04/01	13106	3	13879	SX	\$41.44	257	1	6121	6	98.907	1.03500	0.133
02/01/01	13505	5	30021	SX	\$34.05	152	1	19008	20	98.748	1.05000	0.121
06/14/01	13108	3	68223	SX	\$40.18	276	1	48089	49	98.309	1.05500	0.128
03/15/01	13325	3	59068	SX	\$34.53	240	1	7746	8	97.328	1.04000	0.134
06/14/01	13108	3	68223	SX	\$35.68	277	1	7000	7	96.855	1.03500	0.105
02/01/01	13505	5	30021	SX	\$34.32	154	1	6041	7	96.827	1.03500	0.165
03/08/01	13109	3	24044	SX	\$37.62	273	1	16369	17	96.426	1.05000	0.089
06/14/01	13108	3	68223	SX	\$35.32	281	1	26848	27	95.777	1.05012	0.120
07/19/01	13087	3	19548	SX	\$42.63	302A-1.1	1	4709	5	93.738	1.03000	0.176
03/08/01	13109	3	24044	SX	\$34.33	269	1	7558	7	90.953	1.03500	0.144
05/17/01	12305	3	6308	SX	\$60.46	301	1	3670	4	90.598	1.03000	0.221
02/15/01	13112	3	13254	SX	\$39.34	254	1	5489	6	85.152	1.01997	0.210
08/02/01	13485	3	19908	SX	\$32.97	302	1	10809	11	84.805	1.00254	0.188
01/25/01	13330	3	16683	SX	\$37.56	231	1	6608	7	84.284	1.01278	0.222
07/19/01	13087	3	19548	SX	\$47.00	)1302A-1	1	8347	9	79.455	0.97921	0.142
03/22/01	12801	5	3318	SX	\$47.00	146	1	3466	4	78.285	1.01392	0.183
01/25/01	13330	3	16683	SX	\$37.70	237	1	10167	11	73.984	0.94073	0.261
05/17/01	12305	3	6308	SX	\$54.01	296	1	1103	3	71.163	1.00552	0.182
08/02/01	13485	3	19908	sx	\$29.00	303	1	4553	5	54.402	0.86136	0.364
08/02/01	13485	3	19908	SX	\$29.40	300	1	4000	4	36.562	0.73439	0.248

Totals Grading: SX				Quality Level	Pay Factor	St. Dev.	
Number of Processes:	34	Total Tons: 366,960	Maximum:	100.000	1.05500	0.364	
			Minimum:	36.562	0.73439	0.081	
			Weighted Average:	94 981	1 03460	0.127	

Asphalt Content - Totals	1/1/01 to 12/31/01	Plan Quantities from 0 to 200000 tons.
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 Number of Processes:
 65
 Total Tons:
 739,129
 Maximum:
 100.000
 1.05500
 0.364

 Minimum:
 36.562
 0.73439
 0.046

Weighted Average: 91.288 1.01892 0.152

#### Asphalt Content - Recap by Region

Criteria: Projects with Bid Dates from 1/1/01 to 12/31/01.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Weighted average used for: Price, Pay Factor, St. Dev., and Quality Level

Grading:	$\boldsymbol{F}$							Q	uality Level	
		Processes	Tons	Tests	Price	Pay Factor	St. Dev.	Avg.	High	Low
	Region: 3	1	3,126	3	\$37.26	1.02500	0.046	100.000	100.000	100.000
-	Totals: F	1	3,126	3	\$37.26	1.02500	0.046	100.000	100.000	100.000
Grading:	S								uality Level	
		Processes	Tons	Tests	Price	Pay Factor	St. Dev.	Avg.	High	Low
	Region: 1	5	40,259	46	\$45.40	1.01563	0.169	90.175	100.000	
	Region: 2	17	217,131	220	\$36.23	0.98996	0.189	85.062	98.635	52.399
	Region: 4	2	26,162	28	\$30.14	1.02668	0.169	91.139	94.601	
	Region: 6	6	85,491	86	\$38.73	1.02412	0.157	91.498	100.000	
	Totals: S	30	369,043	380	\$37.38	1.00327	0.178	87.541	100.000	52.399
Grading:	SX							C	uality Level	
		Processes	Tons	Tests	Price	Pay Factor	St. Dev.	Avg.	High	Low
	Region: 3	29	278,907	297	\$37.85	1.02985	0.136	93.822	100.000	36.562
	Region: 5	5	88,053	91	\$38.81	1.04964	0.101	98.653	100.000	
	Totals: SX	34	366,960	388	\$38.08	1.03460	0.127	94.981	100.000	36.56
Statewide	Totals				•			(	Quality Leve	1
		Processes	Tons	Tests	Price	Pay Factor	St. Dev.	Avg.	High	Low
		65	739,129	771	\$37.72	1.01892	0.152	91.288	100.000	36.56

### Mat Density - Process Information

Criteria: Projects with Bid Dates from 1/1/01 to 12/31/01.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Grad	ing	: 5
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G	8. 5												
Bid Date	Subacct.	Reg.	Plan Quant.	Grad	ing Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.	Mean
08/02/01	12391	2	9357	S	\$42.02	185		1999	4	100.000	1.03000	0.727	94.83
01/25/01	13008	1	22198	S	\$45.00	12638-2	1	1575	4	100.000	1.03000	0.763	94.33
01/04/01	13349	6	35247	S	\$46.00	105876		5500	11	99.966	1.04500	0.645	93.67
08/16/01	12390	2	7812	s	\$30.00	186	1	7488	14	99.278	1.04500	0.646	93.43
04/26/01	13147	4	20504	s	\$31.05	28001	1	10736	22	98.709	1.05000	0.810	93.74
09/06/01	13275	6	3332	s	\$42.00	105886	1	2752	5	98.420	1.03000	0.626	93.02
06/07/01	13448	2	21278	S	\$39.50	177B	1	20000	40	98.375	1.05500	0.859	93.99
01/11/01	13390	2	30149	S	\$41.29	199	1	11224	21	98.338	1.05000	0.482	92.98
05/24/01	13131	2	40927	S	\$34.50	194	1	10000	20	98.277	1.05000	0.871	93.81
04/26/01	13147	4	20504	S	\$29.50	36501	2	13926	29	98.214	1.05500	0.854	93.8
10/04/01	12829	2	2968	s	\$40.00	210	1	3000	6	97.866	1.03500	1.109	94.08
05/24/01	13131	2	40927	S	\$34.50	205	1	32655	66	97.807	1.05500	0.884	93.92
05/17/01	13178	6	54094	S	\$31.30	05881-2	2	3608	8	97.634	1.04000	0.773	93.36
05/17/01	13178	6	54094	s	\$31.30	105889	2	33415	66	97.561	1.05500	0.742	93.45
01/04/01	13349	6	35247	S	\$52.00	105878	1	24500	49	97.097	1.05487	0.934	94.96
01/11/01	13390	2	30149	S	\$41.29	231	1	20064	41	96.761	1.05326	0.700	93.27
05/10/01	12524	1	20994	S	\$44.72	1903SH	1	7061	17	96.489	1.05000	0.634	93.11
05/10/01	12524	1	20994	S	\$49.24	5172002	1	4619	11	94.253	1.04447	0.570	92.86
01/11/01	11955	2	59978	S	\$30.00	178	1	63731	128	93.688	1.02339	1.078	93.91
04/26/01	13147	4	20504	S	\$29.50	36501	1	3191	7	93.657	1.03500	1.005	94.56
01/18/01	93200	2	3452	S	\$30.00	160	1	3003	7	93.325	1.03500	0.675	92.96
08/23/01	13538	2	5695	S	\$47.16	196	1	6097	13	93.167	1.03917	0.880	94.72
05/17/01	13178	6	54094	S	\$31.30	105889	1	14716	30	90.188	1.01385	1.122	93.51
01/25/01	13008	1	22198	S	\$45.00	131511	1	5000	10	90.023	1.02813	1.152	94.52
01/11/01	13390	2	30149	S	\$41.29	1032201	1	3212	7	89.522	1.03312	0.745	92.91
06/07/01	13448	2	21278	S	\$39.50	177	1	2900	6	88.897	1.03288	0.335	92.4
04/05/01	13441	2	17597	S	\$42.00	176	1	8000	16	85.840	0.99898	1.356	93.71
07/12/01	12495	2	11021	S	\$40.75	182	1	11963	24	85.021	0.98415	1.018	94.94
01/25/01	13008	1	22198	S	\$45.00	131511	2	16500	33	82.114	0.95530	1.470	94.29
05/10/01	12524	1	20994	S	\$44.72	120618	1	5206	11	80.773	0.98124	0.610	92.54
08/02/01	12391	2	9357	S	\$42.02	185	2	8018	16	80.772	0.96855	1.394	93.33
09/06/01	13539	2	4949	S	\$48.00	189	1	5276	11	78.275	0.96701	1.222	95.03

Grading: S													
Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix Design	Process No.		Tests	Quality Level	Pay Factor	St. Dev.	Mean
Totals -	- Gradin	g: S								Quality Level	Pay Factor	St. Dev.	
Num	ber of Proc	esses:	32	Total 1	Tons:	370,935		Maxi	mum:	100.000	1.05500	1.470	95.027
								Mini	mum:	78.275	0.95530	0.335	92.400
							Weigh	ted Ave	erage:	94.141	1.03269	0.921	

Gradin	g: SX												
Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.	Mean
05/17/01	12305	3	6308	SX	\$54.01	296	1	1103	3	100.000	1.02500	1.114	93.7
02/15/01	13112	3	13254	SX	\$34.56	248	1	1648	4	100.000	1.03000	0.676	94.35
08/02/01	13485	3	19908	SX	\$28.80	292	1	2847	5	100.000	1.03000	0.555	93.76
01/04/01	13106	3	13879	SX	\$41.66	260	1	5691	12	99.392	1.04500	0.574	93.27
01/04/01	13106	3	13879	SX	\$41.44	257	1	6121	12	99.174	1.04500	0.840	94.19
03/22/01	12801	5	3318	SX	\$47.00	146	1	3466	7	98.026	1.03500	0.923	94.37
01/25/01	13330	3	16683	SX	\$37.56	231	1	6608	14	98.022	1.04500	0.887	93.73
03/15/01	13325	3	59068	SX	\$34.56	241	1	50712	102	97.454	1.05523	0.894	93.86
08/02/01	13537	5	47807	SX	\$41.20	13537B	1	51980	104	96.910	1.05081	0.919	93.83
08/02/01	13485	3	19908	SX	\$32.97	302	1	10809	22	96.659	1.05000	0.725	93.29
07/19/01	13087	3	19548	SX	\$42.63	02A-1.1	1	4709	10	96.526	1.04500	1.000	94.28
03/15/01	13325	3	59068	SX	\$34.53	240	1	7746	15	95.308	1.04763	1.046	93.82
06/14/01	13108	3	68223	SX	\$40.18	276	1	48089	97	94.722	1.03346	1.025	93.82
07/19/01	13087	3	19548	SX	\$47.00	1302A-1		8347	17	92.621	1.03463	1.026	93.48
01/25/01	13330	3	16683	SX	\$37.70	237	1	10167	21	92.474	1.03235	1.132	94.23
02/15/01	13112	3	13254	SX	\$39.49	250	1	2317	5	92.133	1.03000	1.172	94.46
08/02/01	13485	3	19908	SX	\$29.40	300	1	2000	4	91.111	1.03000	0.750	92.93
08/02/01	13485	3	19908	SX	\$29.00	303	1	4553	9	88.742	1.02364	0.872	93.04
03/08/01	13109	3	24044	SX	\$37.62	273	1	16369	35	87.433	0.99189	1.319	94.01
05/17/01	12305	3	6308	SX	\$60.46	301	1	3220	7	83.422	1.00907	1.486	93.77
02/01/01	13505	5	30021	SX	\$34.32	154	1	5541	12	80.080	0.97456	0.928	92.79
02/15/01	13112	3	13254	SX	\$39.34	254	1	5489	11	78.762	0.96985	1.577	94.4
02/01/01	13505	5	30021	SX	\$34.05	152	1	19008	39	76.641	0.90760	1.477	93.21
07/19/01	13087	3	19548	SX	\$42.59	310	1	6284	12	75.296	0.94542	1.321	95.07
02/01/01	13505	5	30021	SX	\$34.12	147	1	7558	16	73.509	0.91972	1.166	92.74
05/17/01	12305	3	6308	SX	\$54.90	282	1	2083	10	62.787	0.86672	1.097	92.37
Totals	- Gradin	ig: S	X							Quality Level	Pay Factor	St. Dev.	
Num	ber of Pro	cesses:	26	Tota	ıl Tons:	294,465		Maxi	mum:	100.000	1.05523	1.577	95.067
			-			,		Mini	mum:	62.787	0.86672	0.555	92.370
							Weigh	ted Ave	erage:	92.362	.02291	1.020	93.764
Mat D	ensity -	Totals	5 1/1/0	01 to 12	2/31/0 P	lan Quant	ities fro	m 0 to	2000	00 tons.	-		
										Quality Level	Pay Factor	St. Dev.	
Num	ber of Pro	: 58	Tot	al Tons	665,400		Maxi	mum:	100.000	1.05523	1.577	95.067	
Hull	Manuscr of Froduction.			100		550,400			mum:	62.787	0.86672	0.335	92.370
							Weigh	nted Av		93.354	1.02836	0.965	

### Mat Density - Recap by Region

Criteria: Projects with Bid Dates from 1/1/01 to 12/31/01.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Weighted average used for: Price, Pay Factor, St. Dev., Mean, and Quality Level

Grading: S								Qu	ality Level	
	Processes	Total s Tons	Tests	Price	Pay Factor	St. Dev.	Mean	Avg.	High	Low
Region 1	6	39,961	86	\$45.40	0.99778	1.039	93.72	87.577	100.000	80.773
Region 2	17	218,630	440	\$36.28	1.03174	0.933	93.83	94.018	100.000	78.275
Region 4	3	27,853	58	\$30.10	.05078	0.854	93.86	97.883	98.709	93.657
Region 6	6	84,491	169	\$38.61	1.04569	0.855	93.89	96.330	99.966	90.188
Totals: S	32	370,935	753	\$37.33	1.03269	0.921	93.84	94.141	100.000	78.275
Grading: SX								Qı	ality Level	
Grading: SX	Processe	Total s Tons	Tests	Price	Pay Factor	St. Dev.	Mean	Avg.	High	Low
Grading: SX  Region 3	Processe:		Tests	Price \$38.24		St. Dev.	<b>Mean</b> 93.85			
	21	s Tons			Factor	<u></u>		Avg.	High	62.787
Region 3	21	206,912	427	\$38.24	1.03136	1.002	93.85	Avg. 93.586	High 100.000	62.787 73.509
Region 3 Region 5	21 5 K 26	206,912 87,553 294,465	427 178	\$38.24 \$38.83	1.03136 1.00295	1.002	93.85 93.56	Avg. 93.586 89.469	High 100.000 98.026	62.787 73.509 62.787

### **Gradation - Process Information**

Criteria: Projects with Bid Dates from 1/1/01 to 12/31/01.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Grading: S

Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	Key Sieve
01/04/01	13349	6	35247	s	\$46.00	105876	1	6000	3	100.000	1.02500	All QLs100
09/06/01	13539	2	4949	_	\$48.00	189	1	5276	3	100.000	1.02500	All QLs100
08/23/01	13538	2	5695	_	\$47.16	196	1	6097	3	95.784	1.02500	3/8
05/24/01	13131	2	40927		\$34.50	194	1	10000	5	93.430	1.02500	No. 4
01/11/01	11955	2	59978	_	\$30.00	178	1	63731	32	90.627	1.03000	No. 30
04/26/01	13147	4	20504	_	\$29.50	36501	2	13426	7	90.404	1.01502	No. 4
01/04/01	13349	6	35247		\$52.00	105878	1	26000	13	89.567	1.03500	1/2
08/16/01	12390	2	7812		\$30.00	186	•	7488	4	89.087		No. 8
				_	•		1	, , , ,	-		1.03000	
01/25/01	13008	1	22198		\$45.00	131511	1	21798	11	87.571	1.01598	No. 200
01/11/01	13390	2	30149	_	\$41.29	231	1	20064	11	86.775	1.01222	3/8
05/17/01	13178	6	54094	_	\$31.30	105889	2	33415	16	86.420	1.00227	3/8
05/24/01	13131	2	40927	_	\$34.50	205	1	33155	17	85.436	0.99509	No. 4
04/26/01	13147	4	20504	S	\$31.05	28001	1	10736	6	81.305	1.00465	1/2
05/10/01	12524	1	20994	S	\$49.24	5172002	1	4619	3	79.674	1.02500	No. 200
05/10/01	12524		20994	S	\$44.72	1903SH	1	7061	4	78.868	1.01601	No. 8
05/17/01	13178	6	54094	S	\$31.30	05881-2	2	3608	3	77.281	1.02500	No. 30
06/07/01	13448	2	21278	S	\$39.50	177B	1	20000	10	75.983	0.95675	1/2
08/02/01	12391	2	9357	s	\$42.02	185	2	8018	4	73.570	0.99516	No. 4
05/17/01	13178	6	54094	S	\$31.30	105889	1	14716	7	71.193	0.94546	No. 30
01/11/01	13390	2	30149	s	\$41.29	199	1	11224	5	67.510	0.94743	1/2
07/12/01	12495	2	11021	s	\$40.75	182	1	10000	5	62.131	0.91493	No. 30
04/05/01	13441	2	17597	s	\$42.00	176	1	6000	3	54.873	0.92257	No. 4
05/10/01	12524	1	20994	s	\$44.72	120618	1	5206	3	50.000	0.88900	No. 8

Totals Gradings	: <b>S</b>		_	Key Sieve Count			
	Processes	Total Tons		Quality Level	Pay Factor	1/2" 3/8"	4 3
	23	347,638	Maximum:	100.000	1.03500	No. 4	5
			Minimum:	50.000	0.88900	No. 8 No. 30	3 4
			Weighted Average:	84.007	0.99914	No. 200	2

Grading:	SX
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Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	Key Sieve
05/17/01	12305	3	6308	sx	\$60.46	301		3670	5	100.000	1.03000	All QLs100
06/14/01	13108	3	68223	SX	\$35.68	277		7000	4	100.000	1.03000	All QLs100
06/14/01	13108	3	68223	sx	\$35.32	281	1	26848	14	100.000	1.04500	All QLs100
03/08/01	13109	3	24044	SX	\$34.33	269	1	7558	4	100.000	1.03000	All QLs100
02/15/01	13112	3	13254	SX	\$34.56	248	1	4648	3	100.000	1.02500	All QLs100
03/15/01	13325	3	59068	sx	\$35.25	239	1	1336	5	99.368	1.03000	No. 4
01/04/01	13106	3	13879	sx	\$41.66	260	1	5691	4	97.529	1.03000	No. 4
06/14/01	13108	3	68223	sx	\$40.18	276	1	48089	25	97.198	1.05000	No. 4
07/12/01	13734	3	15011	sx	\$34.92	287	1	7821	4	97.140	1.03000	3/8
07/12/01	13734	3	15011	sx	\$34.91	288	1	9244	6	94.865	1.03500	No. 8
03/08/01	13109	3	24044	sx	\$37.62	273	1	16369	8	92.060	1.03835	No. 200
08/02/01	13537	5	47807	sx	\$41.20	13537B	1	51980	26	90.832	1.02024	1/2
03/15/01	13325	3	59068	sx	\$34.56	241	1	50712	27	89.174	1.00902	No. 4
07/19/01	13087	3	19548	SX	\$47.00	1302A-1	1	8347	5	88.101	1.03000	No. 4
01/25/01	13330	3	16683	SX	\$37.70	237	1	10167	6	82.979	1.01157	3/8
08/02/01	13485	3	19908	SX	\$32.97	302	1	10809	7	82.003	1.00274	No. 30
02/01/01	13505	5	30021	sx	\$34.05	152	1	17008	9	81.684	0.99096	No. 4
05/17/01	12305	3	6308	SX	\$54.90	282	1	2083	3	80.471	1.02500	No. 200
01/25/01	13330	3	16683	SX	\$37.56	231	1	6608	3	77.281	1.02500	No. 4
05/17/01	12305	3	6308	sx	\$54.01	296	1	1103	3	74.363	1.01652	3/8
03/15/01	13325	3	59068	SX	\$34.53	240	1	7746	4	74.093	0.99741	3/8
02/01/01	13505	5	30021	SX	\$34.12	147	1	7558	4	63.525	0.94430	No. 4
02/01/01	13505	5	30021	SX	\$34.32	154	1	6041	4	56.623	0.90075	No. 4
07/19/01	13087	3	19548	SX	\$42.63	i02A-1.1	1	4709	3	56.409	0.93232	No. 30
01/04/01	13106	3	13879	SX	\$41.44	257	1	6121	3	52.619	0.90755	No. 200
07/19/01	13087	3	19548	SX	\$42.59	310	1	6284	3	46.341	0.86115	No. 30
02/15/01	13112	3	13254	SX	\$39.34	254	1	5489	3	34.490	0.75534	No. 4

Totals Grading	: SX			Key Sieve Count			
	Processes	Total Tons		Quality Level	Pay Factor	1/2"	1
	27	341,039	Maximum:	100.000	1.05000	3/8" No. 4	10
			Minimum:	34.490	0.75534	No. 8 No. 30	1 3
			Weighted Average:	87.383	1.01032	No. 200	3

#### Gradation Totals 1/1/01 to 12/31/01 Plan Quantities from 0 to 200000 tons.

				_	Key Sieve Count		
Processes	Total Tons		Quality Level	Pay Factor	1/2" 3/8"	5 7	
50	688,677	Maximum:	100.000	1.05000	No. 4	15	
		Minimum:	34.490	0.75534	No. 8 No. 30	Λ	
		Weighted Average:	85.679	1.00468	No. 200	5	

## Gradation - Process Information - Recap by Region

Criteria: Projects with Bid Dates from 1/1/01 to 12/31/01.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Weighted average used for: Price, Pay Factor, and Quality Level

Grading: S							Quality Level	
	Processes	Tons	Tests	Price	Pay Factor	Avg.	High	Low
Region 1	4	38,684	21	\$45.42	0.99997	79.983	87.571	50.000
Region 2	12	201,053	102	\$36.03	0.99541	83.959	100.000	54.873
Region 4	2	24,162	13	\$30.19	.02151	86.361	90.404	
Region 6	5	83,739	42	\$38.78	1.00126	85.300	100.000	71.193
Totals: S	23	347,638	178	\$37.33	0.99914	84.007	100.000	50.000
Grading: SX					Paul		Quality Level	
3	Processes	Tons	Tests	Price	Pay Factor	Avg.	High	Low
Region 3	23	258,452	152	\$37.84	1.01409	88.481	100.000	34.490
Region 5	4	82,587	43	\$38.58	0.99852	83.947	90.832	
Totals: SX	27	341,039	195	\$38.02	1.01032	87.383	100.000	34.49
Statewide Totals						(	Quality Level	
2 THE A C THE A	Processes	Tons	Tests	Price	Pay Factor	Avg.	High	Low
	50	688,677	373	\$37.67	1.00468	85.679	100.000	34.49

# Gradation - Standard Deviation Information

Criteria: Projects with Bid Dates from 1/1/01 to 12/31/01.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Gradin	g S
uruuin	צ ט

Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Tons	Tests	Key Sieve	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
01/04/01	13349	6	35247	S	\$46.00	6000	3	QLs100	0.000	0.000	0.000	0.000	0.600	0.600	0.680
01/04/01	13349	6	35247	S	\$52.00	26000	13	1/2	0.300	3.600	3.000	2.200	2.000	1.600	0.870
01/11/01	11955	2	59978	S	\$30.00	63731	32	No. 30	1.500	2.000	2.100	2.200	2.400	1.800	0.890
01/11/01	13390	2	30149	S	\$41.29	11224	5	1/2	1.900	3.200	2.400	2.600	2.300	1.500	0.740
01/11/01	13390	2	30149	S	\$41.29	20064	11	3/8	0.500	2.200	2.500	2.100	2.000	1.200	0.430
01/25/01	13008	1	22198	S	\$45.00	21798	11	No. 200	2.300	2.200	2.500	3.100	2.200	1.400	0.590
04/05/01	13441	2	17597	S	\$42.00	6000	3	No. 4	0.600	4.400	4.400	3.800	2.300	1.200	0.310
04/26/01	13147	4	20504	S	\$31.05	10736	6	1/2	0.000	1.600	2.200	1.700	1.700	0.800	0.200
04/26/01	13147	4	20504	S	\$29.50	13426	7	No. 4	0.000	1.800	2.500	3.300	3.100	1.600	0.700
05/10/01	12524	1	20994	S	\$44.72	5206	3	No. 8	0.600	2.100	2.000	3.500	4.600	1.200	0.460
05/10/01	12524	1	20994	S	\$49.24	4619	3	No. 200	0.600	0.600	1.700	2.100	1.500	1.200	0.250
05/10/01	12524	1	20994	S	\$44.72	7061	4	No. 8	1.000	1.000	1.300	1.300	1.700	0.500	0.170
05/17/01	13178	6	54094	S	\$31.30	3608	3	No. 30	0.000	2.300	2.100	3.200	2.000	1.500	0.440
05/17/01	13178	6	54094	. s	\$31.30	14716	7	No. 30	0.900	2.600	2.700	3.100	3.900	1.000	1.190
05/17/01	13178	6	54094	S	\$31.30	33415	16	3/8	1.100	3.100	3.400	3.200	2.700	1.700	0.840
05/24/01	13131	2	40927	S	\$34.50	10000	5	No. 4	0.500	0.900	1.900	2.800	2.500	1.300	0.670
05/24/01	13131	2	40927	s	\$34.50	33155	17	No. 4	1.100	3.600	3.800	3.400	3.100	1.700	0.940
06/07/01	13448	2	21278	S	\$39.50	20000	10	1/2	0.000	2.400	3.000	3.200	2.700	1.800	0.830
07/12/01	12495	2	11021	S	\$40.75	10000	5	No. 30	0.000	1.100	1.100	1.900	2.800	2.900	1.380
08/02/01	12391	2	9357	s	\$42.02	8018	4	No. 4	0.800	3.500	3.900	1.400	1.500	1.500	0.660
08/16/01	12390	2	7812	s	\$30.00	7488	4	No. 8	2.200	2.500	3.400	3.600	3.700	1.700	0.220
08/23/01	13538	2	5695	S	\$47.16	6097	3	3/8	0.000	4.400	3.800	2.600	2.600	1.200	0.260
09/06/01	13539	2	4949	S	\$48.00	5276	3	QLs100	0.600	0.600	0.000	2.100	1.500	1.000	0.350

Totals Grading: S

3/4" 1/2" 3/8" No. 4 No. 8 No. 30 No. 200 Number of Processes: 2.300 4.400 4.400 3.800 4.600 2.900 1.380 Max. 23 0.000 0.000 0.000 0.000 0.600 0.500 0.170 Total Tons: 347,638 Min.

Weighted Average: 0.918 2.450 2.621 2.623 2.494 1.532 0.740

2

Grading	SX
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Bid Date	Subacct.	Reg.	Plan Quant. (	Grading	Price	Tons	Tests	Key Sieve	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
01/04/01	13106	3	13879	sx	\$41.44	6121	3	No. 200		1.000	0.600	2.500	1.500	1.000	0.350
01/04/01	13106	3	13879	SX	\$41.66	5691	4	No. 4		0.500	1.700	2.600	1.600	1.000	0.170
01/25/01	13330	3	16683	SX	\$37.56	6608	3	No. 4		1.500	3.500	3.100	3.100	1.500	1.110
01/25/01	13330	3	16683	SX	\$37.70	10167	6	3/8		1.500	3.800	2.300	2.000	1.400	0.770
02/01/01	13505	5	30021	SX	\$34.12	7558	4	No. 4		2.600	4.800	3.700	2.200	1.300	0.650
02/01/01	13505	5	30021	SX	\$34.05	17008	9	No. 4		0.700	2.100	2.900	1.900	1.000	1.120
02/01/01	13505	5	30021	SX	\$34.32	6041	4	No. 4		1.300	3.100	3.800	1.700	1.000	0.530
02/15/01	13112	3	13254	SX	\$34.56	4648	3	QLs100		1.200	0.600	1.500	1.000	0.600	0.350
02/15/01	13112	3	13254	SX	\$39.34	5489	3	No. 4		2.300	6.000	8.500	7.000	3.500	1.000
03/08/01	13109	3	24044	sx	\$34.33	7558	4	QLs100		1.700	1.000	1.700	1.500	1.200	0.440
03/08/01	13109	3	24044	sx	\$37.62	16369	8	No. 200		2.000	2.100	1.700	1.600	0.900	0.630
03/15/01	13325	3	59068	SX	\$35.25	1336	5	No. 4		1.400	1.100	2.700	2.300	1.300	0.670
03/15/01	13325	3	59068	SX	\$34.53	7746	4	3/8		2.400	5.200	3.300	2.400	2.100	0.960
03/15/01	13325	3	59068	SX	\$34.56	50712	27	No. 4		1.400	2.100	3.000	2.600	1.400	0.740
05/17/01	12305	3	6308	SX	\$54.90	2083	3	No. 200		0.600	0.000	0.600	0.600	0.600	0.780
05/17/01	12305	3	6308	sx	\$54.01	1103	3	3/8		1.500	5.000	4.500	3.500	1.500	0.720
05/17/01	12305	3	6308	SX	\$60.46	3670	5	QLs100		1.700	2.500	1.900	1.500	0.800	0.400
06/14/01	13108	3	68223	sx	\$40.18	48089	25	No. 4		1.000	1.400	1.600	1.200	1.000	0.280
06/14/01		3	68223	SX	\$35.68	7000	4	QLs100		1.700	1.700	1.600	1.000	1.000	0.470
06/14/01		3	68223	SX	\$35.32	26848	14	QLs100		1.100	1.400	1.200	0.900	0.800	0.330
07/12/01		3	15011	SX	\$34.92	7821	4	3/8		0.600	1.400	2.100	1.700	0.800	0.310
07/12/01		3	15011	SX	\$34.91	9244	6	No. 8		0.800	1.200	1.800	2.300	1.000	0.550
07/19/01		3	19548	SX	\$42.59	6284	3	No. 30		1.500	1.500	3.200	3.100	2.500	0.610
07/19/01		3	19548	SX	\$47.00	8347		No. 4		0.800	3.000	2.100	1.100	0.700	0.510
07/19/01		3	19548	SX	\$42.63	4709	3	No. 30		1.000	4.700	5.500	4.600	2.900	0.560
08/02/01		3	19908	SX	\$32.97	10809	7	No. 30		0.800			2.400	1.400	0.540
08/02/01		5	47807	SX	\$41.20	51980		1/2		1.600	2.200	1.400	1.200	0.900	0.400
		_	ing: SX		441.20								_	N = 00	N = 000
	1 otats	0/441	ng. DA						3/4"	1/2"	3/8"	No. 4	No. 8		No. 200
		Numbe	er of Proc	esses:	27			Max.		2.600	6.000		7.000	3.500	1.120
			Total	Tons:	341,039			Min.		0.500	0.000	0.600	0.600	0.600	0.170
						Weig	hted A	verage:		1.326	2.179	2.299	1.833	1.169	
						Ke	y Siev	e Count			4	10	1	3	;
Grada	tion Tot	als		1/1/01 t	o 12/31/	01 Plar	n Quai	ntities fro	m 0 to	200000	tons.		-		
									3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
		Numbe	er of Proc	esses:	50			Max.	2.300	4.400	6.000	8.500	7.000	3.500	1.380
					688,677			Min.	0.000	0.000	0.000	0.000	0.600	0.500	0.170
						Weigh	ted Av	erage:		1.894	2.402	2.462	2.167	1.352	0.644
						Key	Sieve	Count		5	7	15	4	7	5

# Gradation - Standard Deviation - Recap by Region

Criteria: Projects with Bid Dates from 1/1/01 to 12/31/01.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Grading: S							Weight	ed Avera	ge		
	Processes	Tons	Tests	Price	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
Region 1	4	38,684	21	\$45.42	1.631	1.776	2.118	2.706	2.348	1.185	0.455
Region 2	12	201,053	102	\$36.03	0.985	2.477	2.652	2.602	2.517	1.664	0.767
Region 4	2	24,162	13	\$30.19	0.000	1.711	2.367	2.589	2.478	1.245	0.478
Region 6	5	83,739	42	\$38.78	0.690	2.911	2.853	2.643	2.513	1.459	0.882
Totals S	23	347,638	178	\$37.33	0.918	2.450	2.621	2.623	2.494	1.532	0.740
Grading: SX							Weight	ted Avera	ge		
	Processes	Tons	Tests	Price	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
Region 3	23	258,452	152	\$37.84		1.275	2.082	2.364	1.948	1.234	0.536
Region 5	4	82,587	43	\$38.58		1.484	2.483	2.095	1.472	0.965	0.58
Totals SX	27	341,039	195	\$38.02		1.326	2.179	2.299	1.833	1.169	0.547
Statewide Totals							Weight	ed Avera	ge		
	Processes 50	<b>Tons</b> 688,677	Tests 373	Price \$37.67	3/4"	1/2" 1.894	3/8" 2.402	No. 4 2.462	No. 8 2.167	No. 30 1.352	No. 200

## Appendix D Reports for 2002 Projects

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## Project Listing by Region/Subaccount

Projects with Bid Dates from 1/1/02 to 12/31/02.

Region:	1					
Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quan
13362	STA 086A-036	SH 86 Elbert/Douglas CL E	49	06/20/02	\$761,760.43	8,340
13434	NH 0403-454	SH 40 Berthoud Falls Empir	19	02/07/02	\$1,999,951.60	26,077
13435	STA 0061-069	Silverthome/Dillon	13	01/31/02	\$2,324,395.00	22,813
13494	STA 0741-013	SH 74 E of Evergreen	33	12/12/02	\$1,348,660.45	17,173
13507	STA 119A-046	SH 119 @ Black Hawk	45	05/30/02	\$6,837,444.05	5,634
13513	NH 0242-034	SH 24 SH 285 to Wilkerson	17	12/05/02	\$2,567,807.80	51,734
13854	IM 0703-280	I-70 Chief Hosa West	13	12/05/02	\$2,957,436.80	49,493
	Number of Pr	ojects 7	Total Qu	antity 181,264	4	
Region:	2	-				
Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quan
12548	NH 0503-057	Canon Drainage Improvem	38	03/14/02	\$1,961,601.86	8,404
12859	STA 1151-011	SH 115 Corridor	44	06/27/02	\$789,707.35	2,750
13446	STA 069A-018	Westcliff - South	32	01/24/02	\$953,560.40	12,50
13479	STA 1151-013	SH 115 Roca Joja & Calle	55	01/24/02	\$1,856,026.01	17,030
13578	BR 385A-013	Bridge Over Wolf Creek	17	10/10/02	\$1,981,378.60	3,33
13733	NH 0851-005	SH 16 to Academy Blvd	55	06/20/02	\$2,250,209.34	11,507
14002	IM 0251-161	I-25 Overlay	44	06/27/02	\$1,010,988.86	13,79
	Number of Pr	ojects 7	Total Qu	antity 69,330		
Region:	3					
Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Qua
12609	NH 0502-048	East of Cimarron	32	03/07/02	\$3,392,247.85	18,47
13551	STA 0241-038	Battle Mtn to Tennessee Pa	11	03/07/02	\$2,316,067.47	44,61
13864	STA 0821-063	South of Glenwood	16	03/28/02	\$2,649,385.64	47,03
13866	STA 131A-028	Oak Creek South	16	03/28/02	\$1,790,510.00	44,47

Number of Projects 4

Total Quantity 154,604

Region:	4					
Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quan
12761	STA 066A-003	SH 66, Hover Road to US 2	40	06/20/02	\$2,565,755.39	7,263
13959	STA 1191-017	SH 119 Boulder Canyon	41	05/30/02	\$1,067,806.65	7,952
13982	IM 0253-176	I-25, SH 52 to SH 66	33	04/25/02	\$2,333,333.33	50,546
	Number of Pro	ojects 3	Total Qu	antity 65,761		
Region:	5					
Subacct.	Project Code	Location	Supplier	Bid Date	Total Bid	Plan Quan
12798	BR 0502-049	Dawson Creek	12	01/31/02	\$1,033,467.47	3,307
12800	NH 1602-075	US 160 & CR 501	57	11/14/02	\$3,429,025.30	5,149
13017	BR 0502-050	Weldon Creek	11	08/22/02	\$1,730,183.68	2,826
13880	PLH 149A-020	South Fork - Creede	11	02/28/02	\$3,361,735.03	39,765
14046	NH 5502-041	US 550 Near Ridgeway Sta	12	07/11/02	\$1,788,023.90 	32,814
14046	NH 5502-041  Number of Pro	11		antity 83,861	\$1,788,023.90	32,814
14046  Region:	Number of Pr	11			\$1,788,023.90	32,814
	Number of Pr	11			\$1,788,023.90  Total Bid	32,814 Plan Quan
Region:	Number of Pro	ojects 5	Total Qu	antity 83,861		
Region:	Number of Pro 6 Project Code	ojects 5  Location	Total Qu	antity 83,861  Bid Date	Total Bid	<i>Plan Quar</i> 52,799
Region: Subacct.	Number of Pro  6  Project Code  IM 0703-268	Ojects 5  Location  I-70 Wads to Pecos	Total Qu Supplier	Bid Date 06/27/02	<i>Total Bid</i> \$3,796,020.05	Plan Quan 52,799 7,44
Region: Subacct. 13066 13340	Number of Pro 6 Project Code IM 0703-268 STA C110-012	Location  I-70 Wads to Pecos SH 6, 19th to Clea	Supplier  19 14	Bid Date 06/27/02 01/24/02	**Total Bid \$3,796,020.05 \$1,235,157.85	Plan Quar 52,799 7,44 54,34
Region: Subacct. 13066 13340 13352	Number of Pro 6 Project Code IM 0703-268 STA C110-012 STA 0853-044	Location  I-70 Wads to Pecos SH 6, 19th to Clea US 85, I-76 to CR	Supplier  19 14 33	Bid Date 06/27/02 01/24/02 02/07/02	**Total Bid** \$3,796,020.05 \$1,235,157.85 \$5,555,555.55	<i>Plan Quan</i> 52,799 7,44 54,34 13,793
Region: Subacct. 13066 13340 13352 13357	Number of Project Code  IM 0703-268 STA C110-012 STA 0853-044 STA 1281-007	Location  I-70 Wads to Pecos SH 6, 19th to Clea US 85, I-76 to CR SH 128	Total Qu  Supplier  19 14 33 33	Bid Date  06/27/02 01/24/02 02/07/02 12/12/02	**Total Bid** \$3,796,020.05 \$1,235,157.85 \$5,555,555.55 \$987,535.90	<i>Plan Quan</i> 52,799 7,44 54,34 13,793
Region: Subacct. 13066 13340 13352 13357 13549	Number of Pro  6  Project Code  IM 0703-268  STA C110-012  STA 0853-044  STA 1281-007  STA 0853-045	Location  I-70 Wads to Pecos SH 6, 19th to Clea US 85, I-76 to CR SH 128 SH 85 (Main Street	Total Que  Supplier  19 14 33 33 37	Bid Date  06/27/02 01/24/02 02/07/02 12/12/02 01/24/02	**Total Bid** \$3,796,020.05 \$1,235,157.85 \$5,555,555.55 \$987,535.90 \$1,143,488.15	52,799 7,44 54,344 13,793 11,300 9,966
Region: Subacct. 13066 13340 13352 13357 13549 13573	Number of Project Code  IM 0703-268 STA C110-012 STA 0853-044 STA 1281-007 STA 0853-045 NH 2254-064	Location  I-70 Wads to Pecos SH 6, 19th to Clea US 85, I-76 to CR SH 128 SH 85 (Main Street Iliff and I-225	Total Qu  Supplier  19 14 33 33 37 37	Bid Date  06/27/02 01/24/02 02/07/02 12/12/02 01/24/02 04/18/02	**Total Bid** \$3,796,020.05 \$1,235,157.85 \$5,555,555.55 \$987,535.90 \$1,143,488.15 \$8,094,501.13	Flan Quan 52,799 7,44 54,344 13,793 11,300 9,960 6,939
Region: Subacct. 13066 13340 13352 13357 13549 13573 13735	Number of Pro 6  Project Code  IM 0703-268  STA C110-012  STA 0853-044  STA 1281-007  STA 0853-045  NH 2254-064  STA 4701-100	Location  I-70 Wads to Pecos SH 6, 19th to Clea US 85, I-76 to CR SH 128 SH 85 (Main Street Iliff and I-225 County Line Rd: Lucent to SH 95: 68th Ave to Over U	Total Que  Supplier  19 14 33 33 37 41 33	Bid Date  06/27/02 01/24/02 02/07/02 12/12/02 01/24/02 04/18/02 02/07/02	\$3,796,020.05 \$1,235,157.85 \$5,555,555.55 \$987,535.90 \$1,143,488.15 \$8,094,501.13 \$806,402.22 \$2,016,977.31	Plan Quan
Region: Subacct. 13066 13340 13352 13357 13549 13573 13735 13917	Number of Pro  6  Project Code  IM 0703-268  STA C110-012  STA 0853-044  STA 1281-007  STA 0853-045  NH 2254-064  STA 4701-100  STA 095A-005  Number of Pr	Location  I-70 Wads to Pecos SH 6, 19th to Clea US 85, I-76 to CR SH 128 SH 85 (Main Street Iliff and I-225 County Line Rd: Lucent to SH 95: 68th Ave to Over U	Total Que  Supplier  19 14 33 33 37 41 33  Total Que	Bid Date  06/27/02 01/24/02 02/07/02 12/12/02 01/24/02 04/18/02 02/07/02 07/11/02	\$3,796,020.05 \$1,235,157.85 \$5,555,555.55 \$987,535.90 \$1,143,488.15 \$8,094,501.13 \$806,402.22 \$2,016,977.31	Flan Quan 52,799 7,44 54,344 13,793 11,300 9,960 6,939

#### Project Data

Projects with Bid Dates from 1/1/02 to 12/31/02.

Subaccount:	12548	NH	0503-057	Canon 1	Drainage In	nprov Regio	n: 2	Supplier: 38
Mix Design No	: 211	Р	rocess No:	1 Gradin	ıg: S	Price Per Ton: \$4	15.00	Mix Design I/DP: \$2,880.00
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	3	2560		100.000	1.02500	\$864.00	0.160	
Density	6	2560	0	92.670	1.03500	\$2,016.00	0.977	Den Mean: 93.333
Gradation	2	2560			1.00000	\$0.00		Grad Key Sieve:
Mix Design No	: 224	P	rocess No:	1 Gradin	ıg: S	Price Per Ton: \$4	15.00	Mix Design I/DP: \$11,267.10
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	7	6420		97.942	1.03500	\$3,033.45	0.135	
Density	13	6420	0	99.995	1.04500	\$6,500.25	0.658	Den Mean: 94.085
Gradation	4	6420		88.202	1.03000	\$1,733.40		Grad Key Sieve: No. 20
					Tons:		I/DP:	
Project Total	ls 12548	8	Asphalt	Content	8,980		\$3,897.45	
			Mat	Density	8,980		\$8,516.25	
			G	iradation	8,980		\$1,733.40	
			Plan	Quantity	8,404	Project I/DP:	\$14,147.10	
Comment	s:							
Subaccount:	12609	NH	0502-048	East of	Cimarron	Regio	n: 3	Supplier: 32
Mix Design No	o: 55002-	1 P	rocess No:	1 Gradir	ng: SX	Price Per Tori: \$	37.05	Mix Design I/DP: \$2,532.41
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	5	5164		88.459	1.03000	\$1,722.11	0.178	
Density	10	4659	0	97.490	1.04500	\$3,884.25	0.640	Den Mean: 94.85
Gradation	3	5164		54.428	0.91968	(\$3,073.95)		Grad Key Sieve: No. 4
Mix Design No	o: 55002-	2 F	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$	36.64	Mix Design I/DP: \$4,978.95
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	6	6063		99.356	1.03500	\$2,332.57	0.135	
Density	11	6063	0	99.789	1.04500	\$4,998.37	0.630	Den Mean: 94.509
Gradation	3	6063		58.865	0.94706	(\$2,351.99)		Grad Key Sieve: No. 4
Mix Design No	o: 56902-	T1 F	Process No:	1 Gradii	ng: SX	Price Per Ton: \$	40.35	Mix Design I/DP: (\$613.89)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	8	7216		95.049	1.03500	\$3,057.00	0.083	
Density	14	6716	0	98.178	1.04500	\$6,096.80	0.721	Den Mean: 93.407
Gradation	4	7216		47.478	0.83225	(\$9,767.69)		Grad Key Sieve: No. 4
					Tons:		I/DP:	
Project Tota	ls 1260	9	Asphal	t Content	18,443		\$7,111.68	
,				t Density	17,438		\$14,979.42	
				Gradation	18,443		(\$15,193.63)	)
					•	Droinet I/DD:	• •	,
			Pian	Quantity	18,472	Project I/DP:	\$6,897.47	

Comments: Final quantities don't match.

Subaccount	: 12761	ST	A 066A-00	3 SH 66, 1	Hover Road	to U Regio	on: 4	Supplier:	40
Mix Design N	lo: 143252	P	rocess No:	1 Gradin	g: S	Price Per Ton: \$	34.00	Mix Design I/DP: \$	2,550.00
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	3	3000		83.614	1.02500	\$765.00	0.245		
Density	6	3000	0	100.000	1.03500	\$1,785.00	0.459	Den Mear	
Gradation	2	3000			1.00000	\$0.00		Grad Key Sieve	): 
Mix Design N	lo: 143252	A F	rocess No:	1 Gradin	g: S	Price Per Ton: \$	34.00	Mix Design I/DP: \$	2,929.15
	Tests	Tons	PF 1.0	Quality Level		I/DP	Std. Dev.		
AC	4	3251		100.000	1.03000	\$994.81	0.115		
Density	7	3251	0	100.000	1.03500	\$1,934.34	0.503	Den Mear	
Gradation ————	2	3251			1.00000	\$0.00		Grad Key Sieve	): 
Mix Design N	lo: 143254	F	rocess No:	1 Gradin	g: S	Price Per Ton: \$	38.00	Mix Design I/DP: \$	2,134.93
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	3	2497		100.000	1.02500	\$711.64	0.159		
Density	5	2497	0	100.000	1.03000	\$1,423.29	0.808	Den Mear	
Gradation	2	2497			1.00000	\$0.00		Grad Key Sieve	): 
					Tons:		I/DP:		
Project Tota	als 1276)	l	Asphal	t Content	8,748		\$2,471.45		
				t Density	8,748		\$5,142.63		
			(	Gradation	8,748		\$0.00		
			Plan	Quantity	7,263	Project I/DP:	\$7,614.08		
Commen	its:								
Subaccount	: 12798	BR	0502-049	Dawson	Creek	Regio	on: 5	Supplier:	12
Mix Design N	No: 601302	A F	Process No:	1 Gradin	ıg: SX	Price Per Ton: \$	67.20	Mix Design I/DP:	5,310.01
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	4	3312		100.000	1.03000	\$2,003.10	0.118		
Density	6	2812	0	94.265	1.03500	\$3,306.91	0.956	Den Mear	
Gradation	2	3312			1.00000	\$0.00		Grad Key Sieve	<del></del>
	-				Tons:		I/DP:		
Project Tota	als 1279	8	Asphal	t Content	3,312		\$2,003.10		
			Ma	t Density	2,812		\$3,306.91		
			(	Gradation	3,312		\$0.00		
			Plan	Quantity	3,307	Project I/DP:	\$5,310.01		
Commer	nts: Final	quantiti	es don't ma	tch					
Subaccount	t: 12800	NE	H 1602-07.	5 US 160	& CR 501	Regi	on: 5	Supplier:	57
Mix Design N	No: 12800F	RAP F	Process No:	1 Gradir	ng: SX	Price Per Ton: \$	\$51.00	Mix Design I/DP: 3	\$10,325.66
	Tests	Tons		Quality Level	_	I/DP	Std. Dev.	-	-
AC	6	5328		92.158	1.03500	\$2,853.14	0.147		
Density	11	5328		97.706	1.04500	\$6,113.88	0.962	Den Mea	n: 93.827
Gradation	3	5328		100.000	1.02500	\$1,358.64		Grad Key Sieve	
					Tons:		I/DP:		
Project Tot	als 1280	0	Aspha	It Content	5,328		\$2,853.14		
				t Density	5,328		\$6,113.88		
				Gradation	5,328		\$1,358.64		
				Quantity	5,149	Project I/DP			
Comme	nts:			•	-	-	•		
30									

Subaccount:	12859	ST	4 1151-01	1 SH 115	Corridor	Regio	n: 2	Supplier: 44
Mix Design No	: 233	Р	rocess No:	1 Gradin	ng: S	Price Per Ton: \$4	46.69	Mix Design I/DP: (\$4,836.5
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	3	2700		100.000	1.02500	\$945.47	0.114	
Density	6	2700	0	63.735	0.90827	(\$5,782.03)	2.054	Den Mean: 93.23
Gradation	2	2700			1.00000	\$0.00		Grad Key Sieve:
					Tons:		I/DP:	
Project Total:	s 12859	,	Asphali	t Content	2,700		\$945.47	
			Mat	Density	2,700		(\$5,782.03)	
			C	Gradation	2,700		\$0.00	
			Plan	Quantity	2,750	Project I/DP:	(\$4,836.56)	
Comments	:: 							
Subaccount:	13017	BR	0502-050	Weldon	Creek	Regio	n: 5	Supplier: 11
Mix Design No	: 13017S	X3 F	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$5	53.70	Mix Design I/DP: \$1,921.1
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	3	2667		66.501	0.98638	(\$585.13)	0.331	
Density	6	2667	0	91.391	1.03500	\$2,506.31	1.292	Den Mean: 93.81
Gradation	2	2667			1.00000	\$0.00		Grad Key Sieve:
		_			Tons:		I/DP:	
Project Total	s 13017	7	Asphal	t Content	2,667		(\$585.13)	
				t Density	2,667		\$2,506.31	
			(	Gradation	2,667		\$0.00	
			Plan	Quantity	2,826	Project I/DP:	\$1,921.18	
Comments	s: 							
Subaccount:	13066	IM	0703-268	I-70 Wa	ds to Pecos	Regio	n: 6	Supplier: 19
Mix Design No	: 147029	F	Process No:	1 Gradii	ng: SMA	Price Per Ton: \$	42.50	Mix Design I/DP: \$28,431.
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.	
AC	16	19785		87.983	1.01094	\$2,760.28	0.197	
Density	40	19785	0	95.508	1.04506	\$18,943.87	0.979	Den Mean: 94.73
Gradation	9	19785		93.841	1.04000	\$6,726.90		Grad Key Sieve: No. 2
		_			Tons:		1/DP:	
Project Total	s 1306	5	Asphal	t Content	19,785		\$2,760.28	
			Ma	t Density	19,785		\$18,943.87	
			(	Gradation	19,785		\$6,726.90	

Comments: Gr. S Voids acceptance

	13340	SI	A C110-01	2 SH 6, 19	Oth to Clea	Regio	on: 6	Supplier: 14
Mix Design No	: 105887	' P	rocess No:	1 Gradin	ng: S	Price Per Ton: \$	38.00	Mix Design I/DP: (\$2,561.20)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	4	4000		100.000	1.03000	\$1,368.00	0.122	
Density	7	3500	0	81.871	1.00214	\$142.23	1.546	Den Mean: 93.986
Gradation	2	4000			0.86607	(\$4,071.43)		Grad Key Sieve:
Mix Design No	o: 105887	' P	Process No:	2 Gradin	ng: S	Price Per Ton: \$	38.00	Mix Design I/DP: (\$9,500.00)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC						\$0.00		
Density		0	0			\$0.00		Den Mean:
Gradation	1	2000			0.37500	(\$9,500.00)		Grad Key Sieve:
					Tons:		I/DP:	
Project Total	ls 13340	0		t Content	4,000		\$1,368.00	
			Ma	t Density	3,500		\$142.23	
			(	Gradation	6,000		(\$13,571.43)	
			Plan	Quantity	7,441	Project I/DP:	(\$12,061.20)	
Comment	s: Final	quantiti	es not equa	I. 1 test 2 x V ou	ut.			
Subaccount:	13352	ST	A 0853-04	4 US 85, 1	1-76 to CR	Regio	on: 6	Supplier: 33
Mix Design No	o: 146980	) F	Process No:	1 Gradir	ng: S	Price Per Ton: \$	\$40.00	Mix Design I/DP: \$33,349.58
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	Tests 26			Quality Level 94.082	Pay Factor 1.04030	I/DP \$12,455.59		•
AC Density		Tons		-	-		Std. Dev.	Den Mean: 92.985
Density	26	<b>Tons</b> 25757	PF 1.0	94.082	1.04030	\$12,455.59	Std. Dev. 0.143	•
Density Gradation	26 52 13	Tons 25757 25757 25757	PF 1.0	94.082 92.614 98.319	1.04030 1.02256	\$12,455.59 \$11,621.47	Std. Dev. 0.143 0.684	Den Mean: 92.985
Density Gradation	26 52 13	Tons 25757 25757 25757	<b>PF 1.0</b>	94.082 92.614 98.319	1.04030 1.02256 1.04500 ng: SMA	\$12,455.59 \$11,621.47 \$9,272.52 Price Per Ton: \$	Std. Dev. 0.143 0.684	Den Mean: 92.985 Grad Key Sieve: No. 8
	26 52 13 o: 146988	Tons 25757 25757 25757 3-1 F	Process No:	94.082 92.614 98.319	1.04030 1.02256 1.04500 ng: SMA	\$12,455.59 \$11,621.47 \$9,272.52 Price Per Ton: \$	Std. Dev. 0.143 0.684 	Den Mean: 92.985 Grad Key Sieve: No. 8
Density Gradation Mix Design No	26 52 13 o: 146988	Tons 25757 25757 25757 25757 3-1 F	Process No:	94.082 92.614 98.319 1 Gradir Quality Level	1.04030 1.02256 1.04500 ng: SMA Pay Factor	\$12,455.59 \$11,621.47 \$9,272.52 Price Per Ton: \$	Std. Dev. 0.143 0.684  \$49.00 Std. Dev.	Den Mean: 92.985 Grad Key Sieve: No. 8
Density Gradation Mix Design No AC Density	26 52 13 0: 146988 Tests 15	Tons 25757 25757 25757 3-1 F Tons 15000	PF 1.0  O  Process No: PF 1.0  O	94.082 92.614 98.319 1 Gradir Quality Level 76.531	1.04030 1.02256 1.04500 ng: SMA Pay Factor 0.94351	\$12,455.59 \$11,621.47 \$9,272.52 Price Per Ton: \$ //DP (\$12,455.11)	Std. Dev. 0.143 0.684  \$49.00 Std. Dev. 0.159	Den Mean: 92.985 Grad Key Sieve: No. 8 Mix Design I/DP: \$9,628.26
Density Gradation Mix Design No AC Density Gradation	26 52 13 0: 146988 Tests 15 30 7	Tons 25757 25757 25757 25757 3-1 F Tons 15000 15000	PF 1.0  O  Process No: PF 1.0  O	94.082 92.614 98.319 1 Gradir Quality Level 76.531 95.832 87.615	1.04030 1.02256 1.04500 ng: SMA Pay Factor 0.94351 1.04963	\$12,455.59 \$11,621.47 \$9,272.52 Price Per Ton: \$ //DP (\$12,455.11) \$18,239.71	Std. Dev. 0.143 0.684  \$49.00 Std. Dev. 0.159 1.003	Den Mean: 92.985 Grad Key Sieve: No. 8 Mix Design I/DP: \$9,628.26 Den Mean: 95.11
Density Gradation Mix Design No AC Density Gradation	26 52 13 0: 146988 Tests 15 30 7	Tons 25757 25757 25757 25757 3-1 F Tons 15000 15000	PF 1.0  O  Process No:  PF 1.0  0	94.082 92.614 98.319 1 Gradir Quality Level 76.531 95.832 87.615	1.04030 1.02256 1.04500 ng: SMA Pay Factor 0.94351 1.04963 1.02615	\$12,455.59 \$11,621.47 \$9,272.52 Price Per Ton: \$ \(\begin{align*} \begin{align*}	Std. Dev. 0.143 0.684  \$49.00 Std. Dev. 0.159 1.003	Den Mean: 92.985 Grad Key Sieve: No. 8 Mix Design I/DP: \$9,628.26 Den Mean: 95.11 Grad Key Sieve: No. 4
Density Gradation Mix Design No AC Density Gradation	26 52 13 0: 146988 Tests 15 30 7	Tons 25757 25757 25757 3-1 F Tons 15000 15000	PF 1.0  OProcess No: PF 1.0  OProcess No:	94.082 92.614 98.319 1 Gradir Quality Level 76.531 95.832 87.615	1.04030 1.02256 1.04500 ng: SMA Pay Factor 0.94351 1.04963 1.02615	\$12,455.59 \$11,621.47 \$9,272.52 Price Per Ton: \$ \(\begin{align*} \begin{align*}	\$49.00 \$1.003 \$49.00	Den Mean: 92.985 Grad Key Sieve: No. 8 Mix Design I/DP: \$9,628.26 Den Mean: 95.11 Grad Key Sieve: No. 4
Density Gradation  Mix Design No  AC Density Gradation  Mix Design No	26 52 13 0: 146988 Tests 15 30 7 0: 146988 Tests	Tons 25757 25757 25757 3-1 F Tons 15000 15000 15000 3-2 F Tons	PF 1.0  OPROCESS NO: PF 1.0  OPROCESS NO: PF 1.0	94.082 92.614 98.319 1 Gradir Quality Level 76.531 95.832 87.615 1 Gradir Quality Level	1.04030 1.02256 1.04500 ng: SMA Pay Factor 0.94351 1.04963 1.02615 ng: SMA Pay Factor	\$12,455.59 \$11,621.47 \$9,272.52 Price Per Ton: \$ //DP (\$12,455.11) \$18,239.71 \$3,843.66 Price Per Ton: \$	Std. Dev. 0.143 0.684 \$49.00 Std. Dev. 0.159 1.003 \$49.00 Std. Dev.	Den Mean: 92.985 Grad Key Sieve: No. 8 Mix Design I/DP: \$9,628.26 Den Mean: 95.11 Grad Key Sieve: No. 4
Density Gradation  Mix Design No  AC Density Gradation  Mix Design No  AC Density	26 52 13 0: 146988 Tests 15 30 7 0: 146988 Tests 20	Tons 25757 25757 25757 3-1 F Tons 15000 15000 15000 3-2 F Tons 20168	PF 1.0  OPROCESS NO: PF 1.0  OPROCESS NO: PF 1.0	94.082 92.614 98.319 1 Gradir Quality Level 76.531 95.832 87.615 1 Gradir Quality Level 87.896	1.04030 1.02256 1.04500 ng: SMA Pay Factor 0.94351 1.04963 1.02615 ng: SMA Pay Factor 1.00611	\$12,455.59 \$11,621.47 \$9,272.52 Price Per Ton: \$ //DP (\$12,455.11) \$18,239.71 \$3,843.66 Price Per Ton: \$ //DP \$1,810.33	Std. Dev. 0.143 0.684 \$49.00 Std. Dev. 0.159 1.003 \$49.00 Std. Dev. 0.156	Den Mean: 92.985 Grad Key Sieve: No. 8 Mix Design I/DP: \$9,628.26 Den Mean: 95.11 Grad Key Sieve: No. 4 Mix Design I/DP: \$27,976.96
Density Gradation  Mix Design Note  AC Density Gradation  Mix Design Note  AC Density Gradation	26 52 13 0: 146988 Tests 15 30 7 0: 146988 Tests 20 41 10	Tons 25757 25757 25757 3-1 F Tons 15000 15000 15000 3-2 F Tons 20168 20168 20168	PF 1.0  OPROCESS NO: PF 1.0  OPROCESS NO: PF 1.0	94.082 92.614 98.319 1 Gradir Quality Level 76.531 95.832 87.615 1 Gradir Quality Level 87.896 96.111	1.04030 1.02256 1.04500 ng: SMA Pay Factor 0.94351 1.04963 1.02615 ng: SMA Pay Factor 1.00611 1.04895	\$12,455.59 \$11,621.47 \$9,272.52 Price Per Ton: \$ //DP (\$12,455.11) \$18,239.71 \$3,843.66 Price Per Ton: \$ //DP \$1,810.33 \$24,185.15	Std. Dev. 0.143 0.684 \$49.00 Std. Dev. 0.159 1.003 \$49.00 Std. Dev. 0.156 0.942	Den Mean: 92.985 Grad Key Sieve: No. 8  Mix Design I/DP: \$9,628.26  Den Mean: 95.11 Grad Key Sieve: No. 4  Mix Design I/DP: \$27,976.96
Density Gradation  Mix Design Note  AC Density Gradation  Mix Design Note  AC Density Gradation	26 52 13 0: 146988 Tests 15 30 7 0: 146988 Tests 20 41 10	Tons 25757 25757 25757 3-1 F Tons 15000 15000 15000 3-2 F Tons 20168 20168 20168	PF 1.0  OProcess No: PF 1.0  OProcess No: PF 1.0  O	94.082 92.614 98.319 1 Gradir Quality Level 76.531 95.832 87.615 1 Gradir Quality Level 87.896 96.111	1.04030 1.02256 1.04500 ng: SMA Pay Factor 0.94351 1.04963 1.02615 ng: SMA Pay Factor 1.00611 1.04895 1.01003	\$12,455.59 \$11,621.47 \$9,272.52 Price Per Ton: \$ //DP (\$12,455.11) \$18,239.71 \$3,843.66 Price Per Ton: \$ //DP \$1,810.33 \$24,185.15	\$49.00 \$49.00 \$td. Dev. 0.159 1.003  \$49.00 \$td. Dev. 0.156 0.942 	Den Mean: 92.985 Grad Key Sieve: No. 8  Mix Design I/DP: \$9,628.26  Den Mean: 95.11 Grad Key Sieve: No. 4  Mix Design I/DP: \$27,976.96
Density Gradation  Mix Design Note  AC Density Gradation  Mix Design Note  AC Density Gradation	26 52 13 0: 146988 Tests 15 30 7 0: 146988 Tests 20 41 10	Tons 25757 25757 25757 3-1 F Tons 15000 15000 15000 3-2 F Tons 20168 20168 20168	PF 1.0  OProcess No: PF 1.0  OProcess No: PF 1.0  OAsphal	94.082 92.614 98.319 1 Gradir Quality Level 76.531 95.832 87.615 1 Gradir Quality Level 87.896 96.111 85.953	1.04030 1.02256 1.04500 ng: SMA Pay Factor 0.94351 1.04963 1.02615 ng: SMA Pay Factor 1.00611 1.04895 1.01003	\$12,455.59 \$11,621.47 \$9,272.52 Price Per Ton: \$ //DP (\$12,455.11) \$18,239.71 \$3,843.66 Price Per Ton: \$ //DP \$1,810.33 \$24,185.15	Std. Dev. 0.143 0.684 \$49.00 Std. Dev. 0.159 1.003 \$49.00 Std. Dev. 0.156 0.942 I/DP:	Den Mean: 92.985 Grad Key Sieve: No. 8  Mix Design I/DP: \$9,628.26  Den Mean: 95.11 Grad Key Sieve: No. 4  Mix Design I/DP: \$27,976.96
Density Gradation  Mix Design Note  AC Density Gradation  Mix Design Note  AC Density Gradation	26 52 13 0: 146988 Tests 15 30 7 0: 146988 Tests 20 41 10	Tons 25757 25757 25757 3-1 F Tons 15000 15000 15000 3-2 F Tons 20168 20168 20168	PF 1.0  OProcess No: PF 1.0  OProcess No: PF 1.0  OAsphal	94.082 92.614 98.319 1 Gradir Quality Level 76.531 95.832 87.615 1 Gradir Quality Level 87.896 96.111 85.953	1.04030 1.02256 1.04500 ng: SMA Pay Factor 0.94351 1.04963 1.02615 ng: SMA Pay Factor 1.00611 1.04895 1.01003 Tons:	\$12,455.59 \$11,621.47 \$9,272.52 Price Per Ton: \$ //DP (\$12,455.11) \$18,239.71 \$3,843.66 Price Per Ton: \$ //DP \$1,810.33 \$24,185.15	Std. Dev. 0.143 0.684 \$49.00 Std. Dev. 0.159 1.003 \$49.00 Std. Dev. 0.156 0.942 I/DP: \$1,810.81	Den Mean: 92.985 Grad Key Sieve: No. 8  Mix Design I/DP: \$9,628.26  Den Mean: 95.11 Grad Key Sieve: No. 4  Mix Design I/DP: \$27,976.96
Density Gradation  Mix Design No  AC Density Gradation  Mix Design No  AC Density	26 52 13 0: 146988 Tests 15 30 7 0: 146988 Tests 20 41 10	Tons 25757 25757 25757 3-1 F Tons 15000 15000 15000 3-2 F Tons 20168 20168 20168	PF 1.0  O  Process No: PF 1.0  O  Asphal	94.082 92.614 98.319 1 Gradir Quality Level 76.531 95.832 87.615 1 Gradir Quality Level 87.896 96.111 85.953	1.04030 1.02256 1.04500 ng: SMA Pay Factor 0.94351 1.04963 1.02615 ng: SMA Pay Factor 1.00611 1.04895 1.01003 Tons: 60,925 60,925	\$12,455.59 \$11,621.47 \$9,272.52 Price Per Ton: \$ //DP (\$12,455.11) \$18,239.71 \$3,843.66 Price Per Ton: \$ //DP \$1,810.33 \$24,185.15	\$49.00 \$td. Dev. 0.143 0.684 \$49.00 \$td. Dev. 0.159 1.003 \$49.00 \$td. Dev. 0.156 0.942 I/DP: \$1,810.81 \$54,046.33 \$15,097.66	Den Mean: 92.985 Grad Key Sieve: No. 8  Mix Design I/DP: \$9,628.26  Den Mean: 95.11 Grad Key Sieve: No. 4  Mix Design I/DP: \$27,976.96

Mix Design No: 147007	93.909
AC 6 4754 81.384 1.00499 \$241.82 0.230 Density 11 4754 0 92.244 1.03650 \$2,949.52 1.195 Gradation 2 4754 0 92.244 1.03650 \$2,949.52 1.195 Den Mean: Gradation 12 4754 0 92.244 1.03650 \$2,949.52 1.195  Mix Design No: 147008-1 Process No: 1 Grading: SX Price Per Ton: \$34.00 Mix Design I/DP: \$1  Tests Tons PF 1.0 Quality Level Pay Factor VDP Std. Dev. AC 10 7568 81.190 0.98615 (\$1,068.75) 0.232 Density 17 7568 0 86.060 0.99875 (\$160.36) 0.870 Den Mean: Gradation 5 7568 84.441 1.02414 \$1,242.30 Grad Key Sieve:  Tons: Tons: I/DP:  Asphalt Content 12,322 (\$826.93) Mat Density 12,322 \$2,789.16 Gradation 12,322 \$2,789.16 Gradation 12,322 \$1,242.30  Plan Quantity 13,793 Project I/DP: \$3,204.53  Comments:  Subaccount: 13362 STA 086A-036 SH 86 Elbert/Douglas C Region: 1 Supplier: 4  Mix Design No: 138927-2 Process No: 1 Grading: S Price Per Ton: \$41.29 Mix Design I/DP: \$2  Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev. AC 3 2443 0 90.358 1.03000 \$1,513.07 1.379 Den Mean: Gradation 1 2443 0 90.358 1.03000 \$1,513.07 1.379 Den Mean: Gradation 1 2443 1 00.0000 1.02500 \$756.54 0.085 Density 5 2443 0 90.358 1.03000 \$1,513.07 1.379 Den Mean: Gradation 1 2443 Process No: 1 Grading: S Price Per Ton: \$4.86 Mix Design I/DP: \$3  Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev. AC 3 2987 0 99.352 1.03500 \$2,867.67 0.739 Den Mean: Gradation 3 2987 66.667 0.98713 (\$421.94) Grad Key Sieve:  Mix Design No: 144626 Process No: 1 Grading: S Price Per Ton: \$41.29 Mix Design I/DP: \$3  Mix Design No: 144626 Process No: 1 Grading: S Price Per Ton: \$41.29 Mix Design I/DP: \$3  Mix Design No: 144626 Process No: 1 Grading: S Price Per Ton: \$41.29 Mix Design I/DP: \$3  Mix Design No: 144626 Process No: 1 Grading: S Price Per Ton: \$41.29 Mix Design I/DP: \$3  Mix Design No: 144626 Process No: 1 Grading: S Price Per Ton: \$41.29 Mix Design I/DP: \$3  Mix Design No: 144626 Process No: 1 Grading: S Price Per Ton: \$41.29 Mix Design I/DP: \$41.29  Mix Design No: 144626 Process No: 1 Grading: S Price Per Ton: \$41.29 Mix Design I/DP:	
Density   11	
Density	
Cardation   2   4754   1,00000   \$0.00     Grad Key Sieve:	
Tests   Tons   PF 1.0   Quality Level   Pay Factor   I/DP   Std. Dev.	3.19
AC   10   7568   81.190   0.98615   (\$1,068.75)   0.232   Den Mean: Gradation   17   7568   0   86.060   0.99875   (\$160.36)   0.870   Den Mean: Gradation   5   7568   84.441   1.02414   \$1,242.30     Grad Key Sieve:	
Density   17	
Density   17	
Tons	92.941
Asphalt Content   12,322   (\$826.93)   Mat Density   12,322   \$2,789.16   \$2,789.16   \$1,242.30   Plan Quantity   13,793   Project I/DP: \$3,204.53	
Mat Density   12,322   \$2,789.16   Gradation   12,322   \$1,242.30   Plan Quantity   13,793   Project I/DP: \$3,204.53	
Mat Density   12,322   \$2,789.16   Gradation   12,322   \$1,242.30   Plan Quantity   13,793   Project I/DP: \$3,204.53	
Gradation   12,322   \$1,242.30   Project I/DP: \$3,204.53	
Plan Quantity   13,793	
Subaccount: 13362         STA 086A-036         SH 86 Elbert/Douglas C         Region: 1         Supplier: 4           Mix Design No: 138927-2         Process No: 1         Grading: S         Price Per Ton: \$41.29         Mix Design I/DP: \$2           Tests         Tons         PF 1.0         Quality Level Pay Factor I/DP         Std. Dev.           AC         3         2443         0         90.358         1.03000         \$1,513.07         1.379         Den Mean:            Gradation         1         2443         1.00000         \$0.00          Grad Key Sieve:           Mix Design No: 138931         Process No: 1         Grading: S         Price Per Ton: \$54.86         Mix Design I/DP: \$3           Tests         Tons         PF 1.0         Quality Level Pay Factor I/DP         Std. Dev.           AC         3         2987         0         99.352         1.03500         \$2,867.67         0.739         Den Mean:           Gradation         3         2987         0         99.372         1.03500         \$2,867.67         0.739	
Mix Design No: 138927-2         Process No: 1         Grading: S         Price Per Ton: \$41.29         Mix Design I/DP: \$2           Tests         Tons         PF 1.0         Quality Level Pay Factor I/DP         Std. Dev.           Density         5         2443         0         90.358         1.03000         \$1,513.07         1.379         Den Mean:           Gradation         1         2443         0         90.358         1.03000         \$1,513.07         1.379         Den Mean:           Gradation         1         2443         0         90.358         1.03000         \$0.00          Grad Key Sieve:           Mix Design No: 138931         Process No: 1         Grading: S         Price Per Ton: \$54.86         Mix Design I/DP: \$3           Tests         Tons         PF 1.0         Quality Level Pay Factor I/DP         Std. Dev.           AC         3         2987         0         99.352         1.03500         \$2,867.67         0.739         Den Mean:           Gradation         3         2987         66.667         0.98713         (\$421.94)          Grad Key Sieve:    Mix Design I/DP: (\$6	
Tests   Tons   PF 1.0   Quality Level   Pay Factor   I/DP   Std. Dev.	19
AC         3         2443         100.000         1.02500         \$756.54         0.085           Density         5         2443         0         90.358         1.03000         \$1,513.07         1.379         Den Mean:           Gradation         1         2443         1.00000         \$0.00          Grad Key Sieve:           Mix Design No: 138931         Process No: 1         Grading: S         Price Per Ton: \$54.86         Mix Design I/DP: \$3           Tests         Tons         PF 1.0         Quality Level         Pay Factor         I/DP         Std. Dev.           AC         3         2987         100.000         1.02500         \$1,229.00         0.026           Density         6         2987         0         99.352         1.03500         \$2,867.67         0.739         Den Mean:           Gradation         3         2987         66.667         0.98713         (\$421.94)          Grad Key Sieve:           Mix Design No: 144626         Process No: 1         Grading: S         Price Per Ton: \$41.29         Mix Design I/DP: (\$60.00)           Tests         Tons         PF 1.0         Quality Level         Pay Factor         I/DP         Std. Dev. </td <td>,269.61</td>	,269.61
Density         5         2443         0         90.358         1.03000         \$1,513.07         1.379         Den Mean:           Gradation         1         2443         1.00000         \$0.00          Grad Key Sieve:           Mix Design No: 138931         Process No: 1         Grading: S         Price Per Ton: \$54.86         Mix Design I/DP: \$3           Tests         Tons         PF 1.0         Quality Level         Pay Factor         I/DP         Std. Dev.           AC         3         2987         0         99.352         1.03500         \$2,867.67         0.739         Den Mean:           Gradation         3         2987         66.667         0.98713         (\$421.94)          Grad Key Sieve:           Mix Design No: 144626         Process No: 1         Grading: S         Price Per Ton: \$41.29         Mix Design I/DP: (\$60.00)           AC         3         2410         47.357         0.86911         (\$3,907.39)         0.104           Density         5         2410         0         72.114         0.97214         (\$1,386.34)         1.575         Den Mean:           Gradation         2         2410         0.95536         (\$888.47)	
Gradation         1         2443         1.00000         \$0.00          Grad Key Sieve:           Mix Design No: 138931         Process No: 1         Grading: S         Price Per Ton: \$54.86         Mix Design I/DP: \$3           Tests Tons PF 1.0 Quality Level Pay Factor I/DP Std. Dev.           AC 3         2987         100.000         1.02500         \$1,229.00         0.026           Density 6         2987         0         99.352         1.03500         \$2,867.67         0.739         Den Mean:           Gradation 3         2987         66.667         0.98713         (\$421.94)          Grad Key Sieve:           Mix Design No: 144626         Process No: 1         Grading: S         Price Per Ton: \$41.29         Mix Design I/DP: (\$60.00)           AC 3         2410         47.357         0.86911         (\$3,907.39)         0.104           Density 5         2410         0         72.114         0.97214         (\$1,386.34)         1.575         Den Mean:           Gradation 2         2410         0.95536         (\$888.47)          Grad Key Sieve:	
Mix Design No: 138931         Process No: 1         Grading: S         Price Per Ton: \$54.86         Mix Design I/DP: \$3           Tests         Tons         PF 1.0         Quality Level Pay Factor I/DP         Std. Dev.           AC         3         2987         100.000         1.02500         \$1,229.00         0.026           Density         6         2987         0         99.352         1.03500         \$2,867.67         0.739         Den Mean: Grad Key Sieve:           Mix Design No: 144626         Process No: 1         Grading: S         Price Per Ton: \$41.29         Mix Design I/DP: (\$60.00)           AC         3         2410         47.357         0.86911         (\$3,907.39)         0.104           Density         5         2410         0         72.114         0.97214         (\$1,386.34)         1.575         Den Mean: Grad Key Sieve:           Gradation         2         2410         0         72.114         0.97214         (\$1,386.34)         1.575         Den Mean: Grad Key Sieve:	94.04
Tests   Tons   PF 1.0   Quality Level   Pay Factor   I/DP   Std. Dev.	
AC         3         2987         100.000         1.02500         \$1,229.00         0.026           Density         6         2987         0         99.352         1.03500         \$2,867.67         0.739         Den Mean:           Gradation         3         2987         66.667         0.98713         (\$421.94)          Grad Key Sieve:           Mix Design No: 144626         Process No: 1         Grading: S         Price Per Ton: \$41.29         Mix Design I/DP: (\$60.00)           Tests         Tons         PF 1.0         Quality Level         Pay Factor         I/DP         Std. Dev.           AC         3         2410         47.357         0.86911         (\$3,907.39)         0.104           Density         5         2410         0         72.114         0.97214         (\$1,386.34)         1.575         Den Mean:           Gradation         2         2410         0.95536         (\$888.47)          Grad Key Sieve:	,674.73
Density         6         2987         0         99.352         1.03500         \$2,867.67         0.739         Den Mean:           Gradation         3         2987         66.667         0.98713         (\$421.94)          Grad Key Sieve:           Mix Design No: 144626         Process No: 1         Grading: S         Price Per Ton: \$41.29         Mix Design I/DP: (\$60.00)           AC         3         2410         47.357         0.86911         (\$3,907.39)         0.104           Density         5         2410         0         72.114         0.97214         (\$1,386.34)         1.575         Den Mean:           Gradation         2         2410         0.95536         (\$888.47)          Grad Key Sieve:	
Gradation         3         2987         66.667         0.98713         (\$421.94)          Grad Key Sieve:           Mix Design No: 144626         Process No: 1         Grading: S         Price Per Ton: \$41.29         Mix Design I/DP: (\$0.0000)         Mix Design I/DP: (\$0.000)         Mix Design I/DP: (\$0.0000)         <	
Mix Design No: 144626         Process No: 1         Grading: S         Price Per Ton: \$41.29         Mix Design I/DP: (\$60.20)           Tests         Tons         PF 1.0         Quality Level         Pay Factor         I/DP         Std. Dev.           AC         3         2410         47.357         0.86911         (\$3,907.39)         0.104           Density         5         2410         0         72.114         0.97214         (\$1,386.34)         1.575         Den Mean:           Gradation         2         2410         0         0.95536         (\$888.47)          Grad Key Sieve:	94.633
Tests         Tons         PF 1.0         Quality Level         Pay Factor         I/DP         Std. Dev.           AC         3         2410         47.357         0.86911         (\$3,907.39)         0.104           Density         5         2410         0         72.114         0.97214         (\$1,386.34)         1.575         Den Mean:           Gradation         2         2410         0.95536         (\$888.47)          Grad Key Sieve:	No. 30
AC 3 2410 47.357 0.86911 (\$3,907.39) 0.104  Density 5 2410 0 72.114 0.97214 (\$1,386.34) 1.575 Den Mean:  Gradation 2 2410 0.95536 (\$888.47) Grad Key Sieve:	6,182.2
AC 3 2410 47.357 0.86911 (\$3,907.39) 0.104  Density 5 2410 0 72.114 0.97214 (\$1,386.34) 1.575 Den Mean:  Gradation 2 2410 0.95536 (\$888.47) Grad Key Sieve:	
Density         5         2410         0         72.114         0.97214         (\$1,386.34)         1.575         Den Mean:           Gradation         2         2410         0.95536         (\$888.47)          Grad Key Sieve:	
Gradation 2 2410 0.95536 (\$888.47) Grad Key Sieve:	93
Tons: I/DP:	
· · · · · · · · · · · · · · · · · · ·	
Project Totals 13362 Asphalt Content 7,840 (\$1,921.85)	
Mat Density 7,840 \$2,994.40	
Gradation 7,840 (\$1,310.41)	
Plan Quantity 8,340 Project I/DP: (\$237.86)	
Comments:	

Subaccount:	13434	NH	0403-454	SH 40 B	Berthoud Fo	alls E Region	n: 1	Supplier:	19
Mix Design No	o: 132090	) Pi	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$4	15.25	Mix Design I/DP:	\$17,635.30
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.		
AC	24	23468		82.392	0.96632	(\$10,728.71)	0.159		
Density	47	23468	0	99.633	1.05500	\$29,202.99	0.710	Den Me	an: 93.906
Gradation	12	23468		83.949	0.99605	(\$838.98)		Grad Key Sie	ve: No. 8
				<u> </u>	Tons:		I/DP:		
Project Total	ls 1343	4	Asphalt	Content	23,468		(\$10,728.71)		
			Mat	Density	23,468		\$29,202.99		
			G	radation	23,468		(\$838.98)		
			Plan (	Quantity	26,077	Project I/DP:	\$17,635.30		
Comment	s:								
Subaccount:	13435	STA	1 0061-069	) Silverth	orne/Dillon	Regio	n: 1	Supplier:	13
Mix Design No	o: 13920	1 P	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$4	44.78	Mix Design I/DP	: (\$2,667.00)
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	· I/DP	Std. Dev.		
AC	22	21671		74.111	0.90966	(\$26,299.56)	0.257		
Density	44	21671	0	97.771	1.05500	\$26,685.54	0.778	Den Me	an: 93.541
Gradation	11	21671		81.324	0.98427	(\$3,052.98)		Grad Key Sie	ve: No. 8
					Tons:		I/DP:		
Project Tota	ls 1343	5	Asphalt	Content	21,671		(\$26,299.56)		
			Mat	Density	21,671		\$26,685.54		
			G	radation	21,671		(\$3,052.98)	•	
			Plan	Quantity	22,813	Project I/DP:	(\$2,667.00)		
Comment	ts:								
Subaccount	: 13446	ST	4 069A-01	8 Westclij	ff - South	Regio	on: 2	Supplier:	32
Mix Design N	o: 242	Р	rocess No:	1 Gradi	ng: S	Price Per Ton: \$	32.00	Mix Design I/DP	: \$11,793.25
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	r I/DP	Std. Dev.		
AC	13	12032		99.148	1.04500	\$5,197.82	0.130		
Density	16	7532	0	99.228	1.05000	\$6,025.60	0.776		ean: 94.269
Gradation	7	12032		83.042	1.00740	\$569.83		Grad Key Sie	eve: No. 4
					Tons:		I/DP:		
Project Total	ils 1344	16	Asphalt	Content	12,032		\$5,197.82		
			Mat	Density	7,532		\$6,025.60		
			G	Gradation	12,032		\$569.83		
			Plan	Quantity	12,504	Project I/DP:	\$11,793.25		
Commen	ts:								

Subaccount	: 13479	ST	A 1151-01	3 SH 115	Roca Joja	& Call Regio	n: 2	Supplier:	55
Mix Design N	lo: 191	F	Process No:	1 Gradir	ng: S	Price Per Ton: \$	32.35	Mix Design I/DP:	\$7,338.92
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor		Std. Dev.		
AC	6	5970		95.268	1.03500	\$2,027.86	0.135		
Density	12	5970	0	97.469	1.04500	\$4,345.41	0.817		n: 93.492
Gradation	3	5970		100.000	1.02500	\$965.65		Grad Key Siev	e: All QLs1
					Tons:		I/DP:		
Project Tota	us 1347	9	•	t Content	5,970		\$2,027.86		
				Density	5,970		\$4,345.41		
			C	Gradation	5,970		\$965.65		
			Plan	Quantity	17,036	Project I/DP:	\$7,338.92		
Commen	ts: 11,00	00 less ti	han plan?						
Subaccount	: 13494	ST	A 0741-01	3 SH 74 E	of Evergre	een Regio	n: 1	Supplier:	33
Mix Design N	lo: 13616	4 F	Process No:	1 Gradir	ng: SX	Price Per Ton: \$	41.00	Mix Design I/DP:	\$7,813.21
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	8	6787		82.409	0.99859	(\$117.40)	0.127		
Density	14	6787	0	95.389	1.04500	\$6,261.01	0.717	Den Mea	n: 94.836
Gradation	4	6787		84.157	1.03000	\$1,669.60	••••	Grad Key Sieve	e: No. 4
Mix Design N	lo: 13616	4-1 F	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$	30.00	Mix Design I/DP:	\$11,645.31
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	11	10058		88.914	1.02216	\$2,006.12	0.195		
Density	21	10058	0	98.454	1.05000	\$7,543.50	0.878	Den Mea	n: 93.957
Gradation	6	10058		89.485	1.03473	\$2,095.69		Grad Key Siev	e: No. 8
					Tons:		I/DP:	76-23	
Project Tote	als 1349	4	Asphali	t Content	16,845		\$1,888.72		
			Mat	Density	16,845		\$13,804.51		
			0	Gradation	16,845		\$3,765.29		
			Plan	Quantity	17,173	Project I/DP:	\$19,458.52		
Commen	ts:								
Subaccount	: 13507	ST	A 119A-04	6 SH 119	@ Black H	awk Regio	on: 1	Supplier:	45
Mix Design N	lo: 14612	8-1 F	Process No:	1 Gradin	ng: S	Price Per Ton: \$	45.51	Mix Design I/DP:	\$14,872.67
	Tests	Tons	PF 1.0	<b>Quality Level</b>			Std. Dev.		
AC	8	7600		96.087	1.04000	\$4,150.51	0.147		
Density	17	7600	0	99.416	1.05000	\$8,646.90	0.812		n: 94.038
Gradation	4	7600		90.825	1.03000	\$2,075.26		Grad Key Siev	e: No. 30
					Tons:		I/DP:		
Project Tota	ats 1350	17	-	t Content	7,600		\$4,150.51		
				t Density	7,600		\$8,646.90		
			(	Gradation	7,600		\$2,075.26		
			Plan	Quantity	5,634	Project I/DP:	\$14,872.67		

	13513	NH	0242-034	SH 24 S	SH 285 to W	ilkers Region	n: 1	Supplier:	17
Mix Design No	o: 14646	4 P	rocess No:	1 Gradir	ng: SX	Price Per Ton: \$2	27.70	Mix Design I/DP:	\$68,129.53
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	53	52244		95.148	1.04067	\$17,655.24	0.152		
Density	105	52244	0	98.810	1.06000	\$43,414.76	0.802	Den Mea	n: 93.931
Gradation	27	52244		91.574	1.02439	\$7,059.53		Grad Key Siev	re: No. 4
					Tons:		I/DP:		
Project Total	ls 1351	3	Asphali	Content	52,244		\$17,655.24		
			Mat	Density	52,244		\$43,414.76		
			G	Gradation	52,244		\$7,059.53		
			Plan	Quantity	51,734	Project I/DP:	\$68,129.53		
Comment	s:								
Subaccount:	13549	ST	4 0853-04	5 SH 85 (	Main Stree	t Region	n: 6	Supplier:	37
Mix Design No	o: 14697	7 P	rocess No:	1 Gradin	ng: S	Price Per Ton: \$3	34.50	Mix Design I/DP:	(\$30,824.74
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	11	10796		63.645	0.86791	(\$14,759.50)	0.327		
Density	21	10796	0	98.422	1.05000	\$9,311.55	0.692		an: 93.419
Gradation	6	10796		35.200	0.65934	(\$25,376.79)	•	Grad Key Sie	/e: 1
					Tons:		I/DP:		
Project Total	ls 1354	19	Asphal	Content	10,796		(\$14,759.50)		
			Ma	Density	10,796		\$9,311.55		
			,	Gradation	10,796		(\$25,376.79)		
			,	Jiaualion	10,790		(\$25,576.79)		
				Quantity	11,306	Project I/DP:	(\$30,824.74)		
Comment	ts: Out o	on 1" sie	Plan		•	Project I/DP:			
	-		Plan	Quantity	•		(\$30,824.74)		11
Subaccount:	13551	ST	Plan	Quantity 8 Battle N	11,306		(\$30,824.74) n: 3		
	13551	ST	Plan ve A 0241-03	Quantity 8 Battle N	11,306 <b>Atn to Tenn</b> ng: SX	essee Regio	(\$30,824.74) n: 3	Supplier:	
Subaccount:	13551 o: WCT (	<i>ST</i> .	Plan ve  A 0241-03 Process No:	Quantity  8 Battle N  1 Gradin	11,306 <b>Atn to Tenn</b> ng: SX	essee Regio	(\$30,824.74)  n: 3  35.64	Supplier: Mix Design I/DP:	\$6,529.36
Subaccount:	13551 o: WCT ( Tests 6 12	<i>ST</i> . 6015 F	Plan ve  A 0241-03 Process No:	8 Battle M 1 Gradii Quality Level 100.000 91.421	11,306  Atn to Tenn  ng: SX  Pay Factor 1.03500 1.03231	essee Regio Price Per Ton: \$3 I/DP \$2,374.58 \$3,653.33	(\$30,824.74)  n: 3  35.64  Std. Dev.	Supplier:  Mix Design I/DP:  Den Mea	\$6,529.36 an: 94.717
Subaccount: Mix Design No	13551 o: WCT ( Tests 6	ST. 6015 F Tons 6346	Plan ve A 0241-03 Process No: PF 1.0	8 Battle M 1 Gradii Quality Level 100.000	Atn to Tenning: SX Pay Factor 1.03500	essee Region Price Per Ton: \$3 I/DP \$2,374.58	(\$30,824.74)  n: 3  35.64  Std. Dev. 0.077	Supplier: Mix Design I/DP:	\$6,529.36 an: 94.717
Subaccount:  Mix Design No  AC  Density	13551 o: WCT ( Tests 6 12 3	ST. 6015 F Tons 6346 6346 6346	Plan ve  A 0241-03 Process No: PF 1.0 0	8 Battle M 1 Gradii Quality Level 100.000 91.421 72.719	11,306  Atn to Tenn  ng: SX  Pay Factor 1.03500 1.03231	essee Regio Price Per Ton: \$3 I/DP \$2,374.58 \$3,653.33	(\$30,824.74)  n: 3  35.64  Std. Dev. 0.077 0.957	Supplier:  Mix Design I/DP:  Den Mea	\$6,529.36 an: 94.717 ve: No. 30
Subaccount:  Mix Design No  AC  Density  Gradation	13551 o: WCT ( Tests 6 12 3	ST. 6015 F Tons 6346 6346 6346	Plan ve  A 0241-03 Process No: PF 1.0 0	8 Battle M 1 Gradii Quality Level 100.000 91.421 72.719	11,306  Atn to Tenn ng: SX  Pay Factor 1.03500 1.03231 1.01109 ng: SX	essee Regio  Price Per Ton: \$3  I/DP  \$2,374.58  \$3,653.33  \$501.45  Price Per Ton: \$3	(\$30,824.74)  n: 3  35.64  Std. Dev. 0.077 0.957 35.70  Std. Dev.	Supplier:  Mix Design I/DP:  Den Mea	\$6,529.36 an: 94.717 ve: No. 30
Subaccount:  Mix Design No  AC  Density  Gradation  Mix Design No	: 13551 o: WCT ( Tests     6     12     3 o: WCT ( Tests     40	ST. 6015 F Tons 6346 6346 6346 6015 F Tons 39261	Plan ve A 0241-03 Process No: PF 1.0 0 Process No: PF 1.0	8 Battle M 1 Gradii Quality Level 100.000 91.421 72.719 1 Gradii Quality Level 93.815	11,306  Atn to Tenn ng: SX  Pay Factor 1.03500 1.03231 1.01109 ng: SX  Pay Factor 1.03367	essee Regio  Price Per Ton: \$3  I/DP  \$2,374.58  \$3,653.33  \$501.45  Price Per Ton: \$3  I/DP  \$14,158.42	(\$30,824.74)  n: 3  35.64  Std. Dev. 0.077 0.957 35.70  Std. Dev. 0.136	Supplier:  Mix Design I/DP:  Den Mea Grad Key Sie  Mix Design I/DP:	\$6,529.36 an: 94.717 ve: No. 30 \$61,690.38
Subaccount:  Mix Design No  AC  Density Gradation  Mix Design No  AC  Density	: 13551 o: WCT ( Tests     6     12     3 o: WCT ( Tests	ST. 6015 F Tons 6346 6346 6346 6015 F Tons	Plan ve A 0241-03 Process No: PF 1.0 0	8 Battle M 1 Gradii Quality Level 100.000 91.421 72.719 1 Gradii Quality Level 93.815 96.766	11,306  Atn to Tenn ng: SX  Pay Factor 1.03500 1.03231 1.01109 ng: SX  Pay Factor 1.03367 1.05037	essee Region Price Per Ton: \$3  I/DP \$2,374.58 \$3,653.33 \$501.45  Price Per Ton: \$3  I/DP \$14,158.42 \$35,304.13	(\$30,824.74)  n: 3  35.64  Std. Dev. 0.077 0.957 35.70  Std. Dev. 0.136 0.944	Supplier:  Mix Design I/DP:  Den Mea Grad Key Siev  Mix Design I/DP:  Den Mea	\$6,529.36  an: 94.717  ve: No. 30  \$61,690.38  an: 94.047
Subaccount:  Mix Design No  AC  Density  Gradation  Mix Design No	: 13551 o: WCT ( Tests     6     12     3 o: WCT ( Tests     40	ST. 6015 F Tons 6346 6346 6346 6015 F Tons 39261	Plan ve A 0241-03 Process No: PF 1.0 0 Process No: PF 1.0	8 Battle M 1 Gradii Quality Level 100.000 91.421 72.719 1 Gradii Quality Level 93.815	11,306  Atn to Tenn ng: SX  Pay Factor 1.03500 1.03231 1.01109 ng: SX  Pay Factor 1.03367	essee Regio  Price Per Ton: \$3  I/DP  \$2,374.58  \$3,653.33  \$501.45  Price Per Ton: \$3  I/DP  \$14,158.42	(\$30,824.74)  n: 3  35.64  Std. Dev. 0.077 0.957 35.70  Std. Dev. 0.136	Supplier:  Mix Design I/DP:  Den Mea Grad Key Sie  Mix Design I/DP:	\$6,529.36  an: 94.717  ve: No. 30  \$61,690.38  an: 94.047
Subaccount:  Mix Design No  AC  Density Gradation  Mix Design No  AC  Density Gradation	: 13551 o: WCT ( Tests 6 12 3 o: WCT ( Tests 40 80 20	ST. 6015 F Tons 6346 6346 6346 6015 F Tons 39261 39261	Plan ve  A 0241-03 Process No: PF 1.0  O Process No: O O O O O O O O O O O O O O O O O O O	8 Battle M 1 Gradii Quality Level 100.000 91.421 72.719 1 Gradii Quality Level 93.815 96.766 94.458	11,306  Atn to Tenn  ng: SX  Pay Factor 1.03500 1.03231 1.01109  ng: SX  Pay Factor 1.03367 1.05037 1.04361  Tons:	essee Region Price Per Ton: \$3  I/DP \$2,374.58 \$3,653.33 \$501.45  Price Per Ton: \$3  I/DP \$14,158.42 \$35,304.13	(\$30,824.74)  n: 3  35.64  Std. Dev. 0.957 35.70  Std. Dev. 0.136 0.944 I/DP:	Supplier:  Mix Design I/DP:  Den Mea Grad Key Siev  Mix Design I/DP:  Den Mea	\$6,529.36  an: 94.717  ve: No. 30  \$61,690.38  an: 94.047
Subaccount:  Mix Design No  AC  Density Gradation  Mix Design No  AC  Density Gradation	: 13551 o: WCT ( Tests 6 12 3 o: WCT ( Tests 40 80 20	ST. 6015 F Tons 6346 6346 6346 6015 F Tons 39261 39261	Plan ve  A 0241-03 Process No: PF 1.0 0 Process No: PF 1.0 0	8 Battle M 1 Gradii Quality Level 100.000 91.421 72.719 1 Gradii Quality Level 93.815 96.766 94.458	11,306  Atn to Tenn  ng: SX  Pay Factor 1.03500 1.03231 1.01109  ng: SX  Pay Factor 1.03367 1.05037 1.04361  Tons: 45,607	essee Region Price Per Ton: \$3  I/DP \$2,374.58 \$3,653.33 \$501.45  Price Per Ton: \$3  I/DP \$14,158.42 \$35,304.13	(\$30,824.74)  n: 3  35.64  Std. Dev. 0.077 0.957 35.70  Std. Dev. 0.136 0.944 I/DP: \$16,533.00	Supplier:  Mix Design I/DP:  Den Mea Grad Key Siev  Mix Design I/DP:  Den Mea	\$6,529.36  an: 94.717  ve: No. 30  \$61,690.38  an: 94.047
Subaccount:  Mix Design No  AC  Density Gradation  Mix Design No  AC  Density Gradation	: 13551 o: WCT ( Tests 6 12 3 o: WCT ( Tests 40 80 20	ST. 6015 F Tons 6346 6346 6346 6015 F Tons 39261 39261	Plan ve  A 0241-03 Process No: PF 1.0 0 Process No: PF 1.0 0 Asphal	8	11,306  Atn to Tenn  ng: SX  Pay Factor 1.03500 1.03231 1.01109  ng: SX  Pay Factor 1.03367 1.05037 1.04361  Tons: 45,607 45,607	essee Region Price Per Ton: \$3  I/DP \$2,374.58 \$3,653.33 \$501.45  Price Per Ton: \$3  I/DP \$14,158.42 \$35,304.13	(\$30,824.74)  n: 3  35.64  Std. Dev. 0.077 0.957 35.70  Std. Dev. 0.136 0.944 I/DP: \$16,533.00 \$38,957.46	Supplier:  Mix Design I/DP:  Den Mea Grad Key Siev  Mix Design I/DP:  Den Mea	\$6,529.36  an: 94.717  ve: No. 30  \$61,690.38  an: 94.047
Subaccount:  Mix Design No  AC  Density Gradation  Mix Design No  AC  Density	: 13551 o: WCT ( Tests 6 12 3 o: WCT ( Tests 40 80 20	ST. 6015 F Tons 6346 6346 6346 6015 F Tons 39261 39261	Plan ve  A 0241-03 Process No: PF 1.0 0 Process No: PF 1.0 0 Asphal	8 Battle M 1 Gradii Quality Level 100.000 91.421 72.719 1 Gradii Quality Level 93.815 96.766 94.458	11,306  Atn to Tenn  ng: SX  Pay Factor 1.03500 1.03231 1.01109  ng: SX  Pay Factor 1.03367 1.05037 1.04361  Tons: 45,607	essee Region Price Per Ton: \$3  I/DP \$2,374.58 \$3,653.33 \$501.45  Price Per Ton: \$3  I/DP \$14,158.42 \$35,304.13	(\$30,824.74)  n: 3  35.64  Std. Dev. 0.077 0.957 35.70  Std. Dev. 0.136 0.944 I/DP: \$16,533.00	Supplier:  Mix Design I/DP:  Den Mea Grad Key Siev  Mix Design I/DP:  Den Mea	\$6,529.36  an: 94.717  ve: No. 30  \$61,690.38  an: 94.047
Subaccount:  Mix Design No  AC  Density Gradation  Mix Design No  AC  Density Gradation	: 13551 o: WCT ( Tests 6 12 3 o: WCT ( Tests 40 80 20	ST. 6015 F Tons 6346 6346 6346 6015 F Tons 39261 39261	Plan  ve  A 0241-03  Process No: PF 1.0  O  Asphal	8	11,306  Atn to Tenn  ng: SX  Pay Factor 1.03500 1.03231 1.01109  ng: SX  Pay Factor 1.03367 1.05037 1.04361  Tons: 45,607 45,607	essee Region Price Per Ton: \$3  I/DP \$2,374.58 \$3,653.33 \$501.45  Price Per Ton: \$3  I/DP \$14,158.42 \$35,304.13	(\$30,824.74)  n: 3  35.64  Std. Dev. 0.077 0.957 35.70  Std. Dev. 0.136 0.944 I/DP: \$16,533.00 \$38,957.46	Supplier:  Mix Design I/DP:  Den Mea Grad Key Siev  Mix Design I/DP:  Den Mea	\$6,529.36  an: 94.717  ve: No. 30  \$61,690.38  an: 94.047

	13573	NH	2254-064	l Iliff and	I-225	Regio	n: 6	Supplier:	37
Mix Design No	o: 146977	Р	rocess No:	1 Gradin	g: S	Price Per Ton: \$3	38.82	Mix Design I/DP: (	\$14,137.12)
AC	Tests 2	<b>Tons</b> 2220	PF 1.0	Quality Level	Pay Factor 0.85000	I/DP (\$3,878.12)	Std. Dev.		
Density	7	2220	0	68.207	0.93692	(\$2,718.22)	1.120	Den Mear	n: 02 567
Gradation	1	2220	Ü	00.207	0.56250	(\$7,540.78)		Grad Key Sieve	
					Tons:		I/DP:		
Project Total	ls 13575	5	Asphal	Content	2,220		(\$3,878.12)		
			Ma	Density	2,220		(\$2,718.22)		
			(	Gradation	2,220		(\$7,540.78)		
				Quantity	9,966	Project I/DP:	(\$14,137.12)		
Comment	s: Repor	ted qua	ntity 7187 l	ess than plan.					
Subaccount:	13578	BR	385A-013	Bridge (	Over Wolf (	Creek Regio	n: 2	Supplier:	17
Mix Design No			rocess No:		•	Price Per Ton: \$4		Mix Design I/DP: (	\$12,062.69)
	Tests	Tons	PF 1.0	Quality Level	-		Std. Dev.		
AC	4	3335		69.928	0.97844	(\$992.28)	0.286		
Density	7	3335	0	58.241	0.85568	(\$11,070.41)	2.256		n: 93.043
Gradation	2	3335			1.00000	\$0.00		Grad Key Sieve	9: 
	1 1257				Tons:		I/DP:		
		D					(0000 00)		
Project Total	IS 133/6	3	•	t Content	3,335		(\$992.28)		
Project Total	IS 133/6	8	Ma	t Density	3,335		(\$11,070.41)		
Project Total	IS 133/0	8	Ma (	t Density Gradation	3,335 3,335		(\$11,070.41) \$0.00		
Project Total  Comment			Ma (Plan	t Density Gradation Quantity	3,335	Project I/DP:	(\$11,070.41)		
	s: Grada	ation & \	Ma (Plan	t Density Gradation Quantity otance Used	3,335 3,335		(\$11,070.41) \$0.00 (\$12,062.69)	Supplier:	55
Comment	s: Grada	ntion & \	Ma ( Plan /oids Accep	t Density Gradation Quantity Stance Used SH 16 to	3,335 3,335 3,335 <i>Academy</i>		(\$11,070.41) \$0.00 (\$12,062.69) n: 2	Supplier: Mix Design I/DP:	
Comment	s: Grada 13733 o: 229	NH	Ma (Plan /oids Accept / 0851-003	t Density Gradation Quantity otance Used  SH 16 to	3,335 3,335 3,335 <i>o Academy</i>	Blvd Regio Price Per Ton: \$3	(\$11,070.41) \$0.00 (\$12,062.69) n: 2		
Comment Subaccount: Mix Design No	s: Grada 13733 o: 229 Tests	NH	Ma (Plan /oids Accep	t Density Gradation Quantity Stance Used SH 16 to	3,335 3,335 3,335 <i>D. Academy</i> ng: S Pay Factor	Blvd Regio Price Per Ton: \$3	(\$11,070.41) \$0.00 (\$12,062.69) <i>n: 2</i> 31.65 Std. Dev.		
Comment Subaccount: Mix Design No	s: Grada 13733 o: 229 Tests 7	NH P Tons 8726	Plan /oids Accept /orocess No: PF 1.0	t Density Gradation Quantity stance Used  SH 16 to 1 Gradin Quality Level	3,335 3,335 3,335 <i>Academy</i> og: S Pay Factor 1.03500	Blvd Regio Price Per Ton: \$3 I/DP \$2,899.87	(\$11,070.41) \$0.00 (\$12,062.69) n: 2	Mix Design I/DP:	
Comment Subaccount: Mix Design No AC Density	s: Grada 13733 o: 229 Tests	NH	Ma (Plan /oids Accept / 0851-003	t Density Gradation Quantity stance Used  SH 16 to 1 Gradin Quality Level 96.442	3,335 3,335 3,335 <i>D. Academy</i> ng: S Pay Factor	Blvd Regio Price Per Ton: \$3	(\$11,070.41) \$0.00 (\$12,062.69) n: 2 31.65 Std. Dev. 0.164	Mix Design I/DP:	\$11,184.10 n: 93.465
Comment Subaccount: Mix Design No	ss: Grada 13733 o: 229 Tests 7 17 3	NH P Tons 8726 8725 8724	Plan /oids Accept /orocess No: PF 1.0	t Density Gradation Quantity stance Used  SH 16 to 1 Gradin Quality Level 96.442 96.477 100.000	3,335 3,335 3,335 2 Academy og: S Pay Factor 1.03500 1.05000 1.02500	Blvd Regio Price Per Ton: \$3 I/DP \$2,899.87 \$6,903.66	(\$11,070.41) \$0.00 (\$12,062.69) <i>n: 2</i> 31.65 Std. Dev. 0.164 0.840	Mix Design I/DP:	\$11,184.10 n: 93.465 e: All QLs1
Comment Subaccount: Mix Design No AC Density Gradation	ss: Grada 13733 o: 229 Tests 7 17 3	NH P Tons 8726 8725 8724	Plan /oids Accept /orocess No: PF 1.0	t Density Gradation Quantity stance Used  SH 16 to 1 Gradir Quality Level 96.442 96.477 100.000	3,335 3,335 3,335 <i>Academy</i> ng: S Pay Factor 1.03500 1.05000 1.02500	Blvd Regio  Price Per Ton: \$:  I/DP \$2,899.87 \$6,903.66 \$1,380.57  Price Per Ton: \$:	(\$11,070.41) \$0.00 (\$12,062.69) n: 2 31.65 Std. Dev. 0.164 0.840  38.90 Std. Dev.	Mix Design I/DP:  Den Mea Grad Key Sieve	\$11,184.10 n: 93.465 e: All QLs1
Comment Subaccount: Mix Design No AC Density Gradation	es: Grada 2 13733 0: 229 Tests 7 17 3 0: 230	NH F Tons 8726 8725 8724	Plan /oids Accept /orocess No: PF 1.0 0	t Density Gradation Quantity Stance Used  5 SH 16 to 1 Gradin Quality Level 96.442 96.477 100.000  1 Gradin Quality Level 100.000	3,335 3,335 3,335 2 Academy ng: S Pay Factor 1.03500 1.02500 ng: S Pay Factor 1.03000	Blvd Regio  Price Per Ton: \$3  I/DP \$2,899.87 \$6,903.66 \$1,380.57  Price Per Ton: \$3  I/DP \$1,153.93	(\$11,070.41) \$0.00 (\$12,062.69) n: 2 31.65 Std. Dev. 0.164 0.840  38.90 Std. Dev. 0.126	Mix Design I/DP:  Den Mea Grad Key Siev  Mix Design I/DP:	\$11,184.10 n: 93.465 e: All QLs1 \$3,397.68
Comment  Subaccount:  Mix Design No  AC  Density  Gradation  Mix Design No	rs: Grada 2 13733 0: 229 Tests 7 17 3 0: 230 Tests 4 7	NH F Tons 8726 8725 8724 F Tons 3296 3296	Plan /oids Accept /orocess No: PF 1.0 0	t Density Gradation Quantity Stance Used  SH 16 to 1 Gradin Quality Level 96.442 96.477 100.000  1 Gradin Quality Level	3,335 3,335 3,335 2 Academy ng: S Pay Factor 1.03500 1.02500 ng: S Pay Factor 1.03000 1.03500	Blvd Regio  Price Per Ton: \$3  I/DP \$2,899.87 \$6,903.66 \$1,380.57  Price Per Ton: \$3  I/DP \$1,153.93 \$2,243.75	(\$11,070.41) \$0.00 (\$12,062.69) n: 2 31.65 Std. Dev. 0.164 0.840  38.90 Std. Dev. 0.126 0.803	Den Mea Grad Key Siev Mix Design I/DP:	\$11,184.10 n: 93.465 e: All QLs1 \$3,397.68 n: 93.714
Comment Subaccount: Mix Design No AC Density Gradation Mix Design No	rs: Grada 2 13733 0: 229 Tests 7 17 3 0: 230 Tests 4	NH F Tons 8726 8725 8724 F Tons 3296	Plan /oids Accept /orcess No: PF 1.0  Process No: PF 1.0	t Density Gradation Quantity Stance Used  5 SH 16 to 1 Gradin Quality Level 96.442 96.477 100.000  1 Gradin Quality Level 100.000	3,335 3,335 3,335 2 Academy ng: S Pay Factor 1.03500 1.02500 ng: S Pay Factor 1.03000	Blvd Regio  Price Per Ton: \$3  I/DP \$2,899.87 \$6,903.66 \$1,380.57  Price Per Ton: \$3  I/DP \$1,153.93	(\$11,070.41) \$0.00 (\$12,062.69) n: 2 31.65 Std. Dev. 0.164 0.840  38.90 Std. Dev. 0.126	Mix Design I/DP:  Den Mea Grad Key Siev  Mix Design I/DP:	\$11,184.10 n: 93.465 e: All QLs1 \$3,397.68 n: 93.714
Comment Subaccount: Mix Design No AC Density Gradation  AC Density Gradation	rs: Grada 2 13733 0: 229 Tests 7 17 3 0: 230 Tests 4 7 2	NH F Tons 8726 8725 8724 F Tons 3296 3296	Plan /oids Accept /orocess No: PF 1.0  Orocess No: PF 1.0  O	t Density Gradation Quantity Stance Used  5 SH 16 to 1 Gradin Quality Level 96.442 96.477 100.000 1 Gradin Quality Level 100.000 99.923	3,335 3,335 3,335 2 Academy ng: S Pay Factor 1.03500 1.02500 ng: S Pay Factor 1.03000 1.03500 1.03500 1.00000	Blvd Regio  Price Per Ton: \$3  I/DP \$2,899.87 \$6,903.66 \$1,380.57  Price Per Ton: \$3  I/DP \$1,153.93 \$2,243.75	(\$11,070.41) \$0.00 (\$12,062.69) n: 2 31.65 Std. Dev. 0.164 0.840  38.90 Std. Dev. 0.126 0.803 	Den Mea Grad Key Siev Mix Design I/DP:	\$11,184.10 n: 93.465 e: All QLs1 \$3,397.68 n: 93.714
Comment Subaccount: Mix Design No AC Density Gradation Mix Design No AC Design No	rs: Grada 2 13733 0: 229 Tests 7 17 3 0: 230 Tests 4 7 2	NH F Tons 8726 8725 8724 F Tons 3296 3296	Plan /oids Accept /orcess No: PF 1.0 0 Asphal	t Density Gradation Quantity Stance Used  SH 16 to 1 Gradin Quality Level 96.442 96.477 100.000 1 Gradin Quality Level 100.000 99.923	3,335 3,335 3,335 2 Academy ng: S Pay Factor 1.03500 1.02500 ng: S Pay Factor 1.03000 1.03500 1.00000 Tons: 12,022	Blvd Regio  Price Per Ton: \$3  I/DP \$2,899.87 \$6,903.66 \$1,380.57  Price Per Ton: \$3  I/DP \$1,153.93 \$2,243.75	(\$11,070.41) \$0.00 (\$12,062.69) n: 2 31.65 Std. Dev. 0.164 0.840  38.90 Std. Dev. 0.126 0.803  I/DP: \$4,053.80	Den Mea Grad Key Siev Mix Design I/DP:	\$11,184.10 n: 93.465 e: All QLs1 \$3,397.68 n: 93.714
Comment Subaccount: Mix Design No AC Density Gradation  AC Density Gradation	rs: Grada 2 13733 0: 229 Tests 7 17 3 0: 230 Tests 4 7 2	NH F Tons 8726 8725 8724 F Tons 3296 3296	Plan /oids Accept /ocess No: PF 1.0 0 Asphal	t Density Gradation Quantity Datance Used  5 SH 16 to 1 Gradin Quality Level 96.442 96.477 100.000 1 Gradin Quality Level 100.000 99.923	3,335 3,335 3,335 3,335 0 Academy og: S Pay Factor 1.03500 1.02500 og: S Pay Factor 1.03000 1.03500 1.00000 Tons: 12,022 12,021	Blvd Regio  Price Per Ton: \$3  I/DP \$2,899.87 \$6,903.66 \$1,380.57  Price Per Ton: \$3  I/DP \$1,153.93 \$2,243.75	(\$11,070.41) \$0.00 (\$12,062.69) n: 2 31.65 Std. Dev. 0.164 0.840  38.90 Std. Dev. 0.126 0.803  I/DP: \$4,053.80 \$9,147.41	Den Mea Grad Key Siev Mix Design I/DP:	\$11,184.10 n: 93.465 e: All QLs1 \$3,397.68 n: 93.714
Comment Subaccount: Mix Design No AC Density Gradation  AC Density Gradation	rs: Grada 2 13733 0: 229 Tests 7 17 3 0: 230 Tests 4 7 2	NH F Tons 8726 8725 8724 F Tons 3296 3296	Plan /oids Accept // 0851-00: /rocess No: PF 1.0 0 Asphal	t Density Gradation Quantity Stance Used  SH 16 to 1 Gradin Quality Level 96.442 96.477 100.000 1 Gradin Quality Level 100.000 99.923	3,335 3,335 3,335 2 Academy ng: S Pay Factor 1.03500 1.02500 ng: S Pay Factor 1.03000 1.03500 1.00000 Tons: 12,022	Blvd Regio  Price Per Ton: \$3  I/DP \$2,899.87 \$6,903.66 \$1,380.57  Price Per Ton: \$3  I/DP \$1,153.93 \$2,243.75	(\$11,070.41) \$0.00 (\$12,062.69) n: 2 31.65 Std. Dev. 0.164 0.840  38.90 Std. Dev. 0.126 0.803  I/DP: \$4,053.80	Den Mea Grad Key Siev Mix Design I/DP:	\$11,184.10 n: 93.465 e: All QLs1 \$3,397.68 n: 93.714

Subaccount	: 13735	ST	4 4701-10	0 County	Line Rd: Li	ucent t Regio	n: 6	Supplier: 41
Mix Design N	lo: 105863	Р	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	39.91	Mix Design I/DP: (\$2,569.30)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	2	995			1.00000	\$0.00		
Density	4	995	0	52.393	0.87060	(\$2,569.30)	1.393	Den Mean: 92.1
Gradation	1	995			1.00000	\$0.00		Grad Key Sieve:
Mix Design N	lo: 105871	Р	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	52.33	Mix Design I/DP: \$0.00
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	1	616			1.00000	\$0.00		
Density	2	616	0		1.00000	\$0.00		Den Mean:
Gradation	1	616			1.00000	\$0.00		Grad Key Sieve:
Mix Design N	No: 105896	) P	rocess No:	1 Gradir	ng: S	Price Per Ton: \$	39.91	Mix Design I/DP: \$460.66
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	5	5009		82.653	1.01787	\$1,071.81	0.126	
Density	10	5009	0	82.670	0.99389	(\$611.15)	0.369	Den Mean: 92.35
Gradation	2	5009			1.00000	\$0.00		Grad Key Sieve:
			-		Tons:		I/DP:	
Project Tota	als 1373.	5	Asphal	t Content	6,620		\$1,071.81	
			Ma	t Density	6,620		(\$3,180.45)	
			(	Gradation	6,620		\$0.00	
			Plan	Quantity	6,935	Project I/DP:	(\$2,108.64)	
Commen	nts:		Plan	Quantity	6,935	Project I/DP:	(\$2,108.64)	
Commen Subaccount		IM	Plan		6,935 ief Hosa W			Supplier: 13
	t: 13854			) I-70 Ch			on: 1	Supplier: 13 Mix Design I/DP: \$12,160.76
Subaccount	t: 13854		0703-280	) I-70 Ch	ief Hosa W	Test Regio	on: 1	
Subaccount	t: 13854	1-2 F	0703-280 Process No:	1 -70 Ch	ief Hosa W	Test Regio	on: 1 48.70	
Subaccount Mix Design N	t: 13854 No: 132094 Tests	I-2 F	0703-280 Process No:	1 Gradii Quality Level	ief Hosa W ng: SMA Pay Factor	Price Per Ton: \$	on: 1 48.70 Std. Dev.	
Subaccount Mix Design N	t: 13854 No: 132094 Tests 8	1-2 F Tons 8509	0703-280 Process No: PF 1.0	1 Gradii Quality Level 92.460	ief Hosa W ng: SMA Pay Factor 1.03973	Price Per Ton: \$ 1/DP \$4,939.57	on: 1 48.70 Std. Dev. 0.130	Mix Design I/DP: \$12,160.76
Subaccount Mix Design N AC Density	t: 13854 No: 132094 Tests 8 17 4	1-2 F Tons 8509 8506 8508	0703-280 Process No: PF 1.0	1 Gradii Quality Level 92.460 90.369 100.000	ief Hosa W ng: SMA Pay Factor 1.03973 1.02286	Price Per Ton: \$ //DP \$4,939.57 \$4,735.15	9n: 1 48.70 Std. Dev. 0.130 1.237	Mix Design I/DP: \$12,160.76  Den Mean: 95
Mix Design N  AC  Density  Gradation	t: 13854 No: 132094 Tests 8 17 4	1-2 F Tons 8509 8506 8508	0703-280 Process No: PF 1.0	1 Gradii Quality Level 92.460 90.369 100.000	ng: SMA Pay Factor 1.03973 1.02286 1.03000 ng: SMA	Price Per Ton: \$  1/DP \$4,939.57 \$4,735.15 \$2,486.04  Price Per Ton: \$	9n: 1 48.70 Std. Dev. 0.130 1.237	Mix Design I/DP: \$12,160.76  Den Mean: 95  Grad Key Sieve: All QLs10
Mix Design N  AC  Density  Gradation	1: 13854 No: 132094 Tests 8 17 4	4-2 F Tons 8509 8506 8508	0703-280 Process No: PF 1.0 0	1 Gradii Quality Level 92.460 90.369 100.000	ng: SMA Pay Factor 1.03973 1.02286 1.03000 ng: SMA	Price Per Ton: \$  1/DP \$4,939.57 \$4,735.15 \$2,486.04  Price Per Ton: \$	on: 1  48.70  Std. Dev. 0.130 1.237	Mix Design I/DP: \$12,160.76  Den Mean: 95  Grad Key Sieve: All QLs10
Mix Design N  AC  Density  Gradation  Mix Design N	1: 13854 No: 132094 Tests 8 17 4 No: 132094 Tests 24	1-2 F Tons 8509 8506 8508 1-3 F Tons 23305	Process No: PF 1.0  OProcess No: PF 1.0	1 Gradii Quality Level 92.460 90.369 100.000 1 Gradii Quality Level 89.878	ief Hosa W ng: SMA Pay Factor 1.03973 1.02286 1.03000 ng: SMA Pay Factor	Price Per Ton: \$  I/DP \$4,939.57 \$4,735.15 \$2,486.04  Price Per Ton: \$  I/DP \$5,246.84	on: 1  48.70  Std. Dev. 0.130 1.237 448.70  Std. Dev.	Mix Design I/DP: \$12,160.76  Den Mean: 95  Grad Key Sieve: All QLs10
Mix Design N  AC  Density  Gradation  Mix Design N	1: 13854 No: 132094 Tests 8 17 4 No: 132094 Tests	4-2 F Tons 8509 8506 8508 4-3 F Tons	0703-280 Process No: PF 1.0 0	1 Gradii Quality Level 92.460 90.369 100.000 1 Gradii Quality Level	ng: SMA Pay Factor 1.03973 1.02286 1.03000 ng: SMA Pay Factor 1.01541	Price Per Ton: \$  1/DP \$4,939.57 \$4,735.15 \$2,486.04  Price Per Ton: \$  1/DP	9n: 1 48.70 Std. Dev. 0.130 1.237  48.70 Std. Dev. 0.181	Mix Design I/DP: \$12,160.76  Den Mean: 95 Grad Key Sieve: All QLs10  Mix Design I/DP: (\$27,681.87)
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density	1: 13854 No: 132094 Tests 8 17 4 No: 132094 Tests 24 46 12	4-2 F Tons 8509 8506 8508 4-3 F Tons 23305 23308 23304	Process No: PF 1.0  OProcess No: PF 1.0	1 Gradii Quality Level 92.460 90.369 100.000 1 Gradii Quality Level 89.878 82.261 82.115	ng: SMA Pay Factor 1.03973 1.02286 1.03000 ng: SMA Pay Factor 1.01541 0.94754	Price Per Ton: \$  I/DP \$4,939.57 \$4,735.15 \$2,486.04  Price Per Ton: \$  I/DP \$5,246.84 (\$29,771.66)	9n: 1 48.70 Std. Dev. 0.130 1.237  48.70 Std. Dev. 0.181 1.394	Mix Design I/DP: \$12,160.76  Den Mean: 95 Grad Key Sieve: All QLs10  Mix Design I/DP: (\$27,681.87)  Den Mean: 94.483
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation	1: 13854 No: 132094 Tests 8 17 4 No: 132094 Tests 24 46 12	4-2 F Tons 8509 8506 8508 4-3 F Tons 23305 23308 23304	Process No: PF 1.0  OProcess No: PF 1.0  O	1 Gradin Quality Level 92.460 90.369 100.000 1 Gradin Quality Level 89.878 82.261 82.115 1 Gradin	ief Hosa W ng: SMA Pay Factor 1.03973 1.02286 1.03000 ng: SMA Pay Factor 1.01541 0.94754 0.98609	Price Per Ton: \$  1/DP \$4,939.57 \$4,735.15 \$2,486.04  Price Per Ton: \$  1/DP \$5,246.84 (\$29,771.66) (\$3,157.05)  Price Per Ton: \$	9n: 1 48.70 Std. Dev. 0.130 1.237  48.70 Std. Dev. 0.181 1.394	Den Mean: 95 Grad Key Sieve: All QLs10  Mix Design I/DP: (\$27,681.87)  Den Mean: 94.483 Grad Key Sieve: 3/8
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  Mix Design N	7: 13854 No: 132094 Tests 8 17 4 No: 132094 Tests 24 46 12 No: 13293- Tests	4-2 F Tons 8509 8506 8508 4-3 F Tons 23305 23308 23304 -1 F Tons	Process No: PF 1.0  OProcess No: PF 1.0  OProcess No: PF 1.0	1 Gradii Quality Level 92.460 90.369 100.000 1 Gradii Quality Level 89.878 82.261 82.115 1 Gradii Quality Level	ng: SMA Pay Factor 1.03973 1.02286 1.03000 ng: SMA Pay Factor 1.01541 0.94754 0.98609 ng: SX Pay Factor	Price Per Ton: \$  1/DP \$4,939.57 \$4,735.15 \$2,486.04  Price Per Ton: \$  1/DP \$5,246.84 (\$29,771.66) (\$3,157.05)  Price Per Ton: \$  1/DP	9n: 1  48.70  Std. Dev. 0.130 1.237 48.70  Std. Dev. 0.181 1.394 336.40	Den Mean: 95 Grad Key Sieve: All QLs10  Mix Design I/DP: (\$27,681.87)  Den Mean: 94.483 Grad Key Sieve: 3/8
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  Mix Design N  AC  AC  AC  AC  AC  AC  AC  AC  AC  A	7: 13854 No: 132094 Tests 8 17 4 No: 132094 Tests 24 46 12 No: 13293- Tests 16	4-2 F Tons 8509 8506 8508 4-3 F Tons 23305 23308 23304 -1 F Tons 15788	Process No: PF 1.0  Orocess No: PF 1.0  Orocess No: PF 1.0  Orocess No: PF 1.0	1 Gradii Quality Level 92.460 90.369 100.000 1 Gradii Quality Level 89.878 82.261 82.115 1 Gradii Quality Level 71.765	ief Hosa W ng: SMA Pay Factor 1.03973 1.02286 1.03000 ng: SMA Pay Factor 1.01541 0.94754 0.98609 ng: SX Pay Factor 0.90708	Price Per Ton: \$  1/DP \$4,939.57 \$4,735.15 \$2,486.04  Price Per Ton: \$  1/DP \$5,246.84 (\$29,771.66) (\$3,157.05)  Price Per Ton: \$  1/DP (\$16,020.73)	9n: 1  48.70  Std. Dev. 0.130 1.237  48.70  Std. Dev. 0.181 1.394  636.40  Std. Dev.	Den Mean: 95 Grad Key Sieve: All QLs10  Mix Design I/DP: (\$27,681.87)  Den Mean: 94.483 Grad Key Sieve: 3/8
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  Mix Design N	7: 13854 No: 132094 Tests 8 17 4 No: 132094 Tests 24 46 12 No: 13293- Tests	4-2 F Tons 8509 8506 8508 4-3 F Tons 23305 23308 23304 -1 F Tons	Process No: PF 1.0  OProcess No: PF 1.0  OProcess No: PF 1.0	1 Gradii Quality Level 92.460 90.369 100.000 1 Gradii Quality Level 89.878 82.261 82.115 1 Gradii Quality Level	ng: SMA Pay Factor 1.03973 1.02286 1.03000 ng: SMA Pay Factor 1.01541 0.94754 0.98609 ng: SX Pay Factor	Price Per Ton: \$  1/DP \$4,939.57 \$4,735.15 \$2,486.04  Price Per Ton: \$  1/DP \$5,246.84 (\$29,771.66) (\$3,157.05)  Price Per Ton: \$  1/DP	9n: 1  48.70  Std. Dev. 0.130 1.237 48.70  Std. Dev. 0.181 1.394 336.40  Std. Dev. 0.279	Den Mean: 95 Grad Key Sieve: All QLs10 Mix Design I/DP: (\$27,681.87)  Den Mean: 94.483 Grad Key Sieve: 3/8  Mix Design I/DP: (\$6,701.22)
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  AC  Density	7: 13854 No: 132094 Tests 8 17 4 No: 132094 Tests 24 46 12 No: 13293- Tests 16 32	4-2 F Tons 8509 8506 8508 4-3 F Tons 23305 23308 23304 -1 F Tons 15788 15788	Process No: PF 1.0  Orocess No: PF 1.0  Orocess No: PF 1.0  Orocess No: PF 1.0	1 Gradii Quality Level 92.460 90.369 100.000 1 Gradii Quality Level 89.878 82.261 82.115 1 Gradii Quality Level 71.765 92.511	ng: SMA Pay Factor 1.03973 1.02286 1.03000 ng: SMA Pay Factor 1.01541 0.94754 0.98609 ng: SX Pay Factor 0.90708 1.02798	Price Per Ton: \$  1/DP \$4,939.57 \$4,735.15 \$2,486.04  Price Per Ton: \$  1/DP \$5,246.84 (\$29,771.66) (\$3,157.05)  Price Per Ton: \$  1/DP (\$16,020.73) \$8,040.05	9n: 1  48.70  Std. Dev. 0.130 1.237  48.70  Std. Dev. 0.181 1.394  336.40  Std. Dev. 0.279 0.783	Den Mean: 95 Grad Key Sieve: All QLs10 Mix Design I/DP: (\$27,681.87)  Den Mean: 94.483 Grad Key Sieve: 3/8  Mix Design I/DP: (\$6,701.22)  Den Mean: 93.119
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  AC  Density	7: 13854 No: 132094 Tests 8 17 4 No: 132094 Tests 24 46 12 No: 13293- Tests 16 32 8	4-2 F Tons 8509 8506 8508 4-3 F Tons 23305 23308 23304 -1 F Tons 15788 15788	0703-280 Process No: PF 1.0 0 Process No: PF 1.0 0 0 0 0 0 0 0 0 0 0 0	1 Gradii Quality Level 92.460 90.369 100.000 1 Gradii Quality Level 89.878 82.261 82.115 1 Gradii Quality Level 71.765 92.511	ief Hosa W ng: SMA Pay Factor 1.03973 1.02286 1.03000 ng: SMA Pay Factor 1.01541 0.94754 0.98609 ng: SX Pay Factor 0.90708 1.02798 1.01113 Tons:	Price Per Ton: \$  1/DP \$4,939.57 \$4,735.15 \$2,486.04  Price Per Ton: \$  1/DP \$5,246.84 (\$29,771.66) (\$3,157.05)  Price Per Ton: \$  1/DP (\$16,020.73) \$8,040.05	9n: 1  48.70  Std. Dev. 0.130 1.237 48.70  Std. Dev. 0.181 1.394 336.40  Std. Dev. 0.279 0.783	Den Mean: 95 Grad Key Sieve: All QLs10 Mix Design I/DP: (\$27,681.87)  Den Mean: 94.483 Grad Key Sieve: 3/8  Mix Design I/DP: (\$6,701.22)  Den Mean: 93.119 Grad Key Sieve: No. 200
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  AC  Density Gradation	7: 13854 No: 132094 Tests 8 17 4 No: 132094 Tests 24 46 12 No: 13293- Tests 16 32 8	4-2 F Tons 8509 8506 8508 4-3 F Tons 23305 23308 23304 -1 F Tons 15788 15788	Process No: PF 1.0  Orocess No: PF 1.0  O  Process No: PF 1.0  O  Aspha	1 Gradii Quality Level 92.460 90.369 100.000 1 Gradii Quality Level 89.878 82.261 82.115 1 Gradii Quality Level 71.765 92.511 85.153	ief Hosa W ng: SMA Pay Factor 1.03973 1.02286 1.03000 ng: SMA Pay Factor 1.01541 0.94754 0.98609 ng: SX Pay Factor 0.90708 1.02798 1.01113 Tons: 47,602	Price Per Ton: \$  1/DP \$4,939.57 \$4,735.15 \$2,486.04  Price Per Ton: \$  1/DP \$5,246.84 (\$29,771.66) (\$3,157.05)  Price Per Ton: \$  1/DP (\$16,020.73) \$8,040.05	9n: 1  48.70  Std. Dev. 0.130 1.237  48.70  Std. Dev. 0.181 1.394  336.40  Std. Dev. 0.279 0.783  I/DP:	Den Mean: 95 Grad Key Sieve: All QLs10  Mix Design I/DP: (\$27,681.87)  Den Mean: 94.483 Grad Key Sieve: 3/8  Mix Design I/DP: (\$6,701.22)  Den Mean: 93.119 Grad Key Sieve: No. 200
Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  Mix Design N  AC  Density Gradation  AC  Density Gradation	7: 13854 No: 132094 Tests 8 17 4 No: 132094 Tests 24 46 12 No: 13293- Tests 16 32 8	4-2 F Tons 8509 8506 8508 4-3 F Tons 23305 23308 23304 -1 F Tons 15788 15788	Process No: PF 1.0  OProcess No: PF 1.0  O  Aspha	1 Gradii Quality Level 92.460 90.369 100.000 1 Gradii Quality Level 89.878 82.261 82.115 1 Gradii Quality Level 71.765 92.511 85.153	ief Hosa W ng: SMA Pay Factor 1.03973 1.02286 1.03000 ng: SMA Pay Factor 1.01541 0.94754 0.98609 ng: SX Pay Factor 0.90708 1.02798 1.01113 Tons:	Price Per Ton: \$  1/DP \$4,939.57 \$4,735.15 \$2,486.04  Price Per Ton: \$  1/DP \$5,246.84 (\$29,771.66) (\$3,157.05)  Price Per Ton: \$  1/DP (\$16,020.73) \$8,040.05	9n: 1  48.70  Std. Dev. 0.130 1.237  48.70  Std. Dev. 0.181 1.394  336.40  Std. Dev. 0.279 0.783  I/DP: (\$5,834.32)	Den Mean: 95 Grad Key Sieve: All QLs10  Mix Design I/DP: (\$27,681.87)  Den Mean: 94.483 Grad Key Sieve: 3/8  Mix Design I/DP: (\$6,701.22)  Den Mean: 93.119 Grad Key Sieve: No. 200

Comments: Final quantities Not equal

Subaccount:	13864	ST	A 0821-06	3 South o	f Glenwood	Regio	n: 3	Supplier:	16
Mix Design N	o: WCT (	6016 F	Process No:	1 Gradin	ng: SX	Price Per Ton: \$3	33.21	Mix Design I/DP:	\$74,852.29
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	61	60240		95.793	1.04426	\$26,560.23	0.143		
Density	110	54240	6000	96.044	1.04361	\$39,269.54	0.974	Den Mea	n: 93.903
Gradation	31	60240		91.601	1.02255	\$9,022.52	••••	Grad Key Siev	e: No. 8
					Tons:		I/DP:		
Project Tota	ls 1386	4	Asphalt	Content	60,240		\$26,560.23		
			Mat	Density	60,240		\$39,269.54		
			G	Gradation	60,240		\$9,022.52		
			Plan	Quantity	47,039	Project I/DP:	\$74,852.29		
Comment	ts:								
Subaccount:	13866	ST	A 131A-02	8 Oak Cre	ek South	Regio	n: 3	Supplier:	16
Mix Design N	o: 60070	2-1 F	Process No:	1 Gradin	ng: SX	Price Per Ton: \$2	28.62	Mix Design I/DP:	\$12,557.70
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.		
AC	19	18280		97.492	1.05000	\$7,848.56	0.140		
Density		0	0			\$0.00		Den Mea	n:
Gradation	10	18280		98.611	1.04500	\$4,709.14		Grad Key Siev	e: No. 4
Mix Design N	o: 60070	2A F	Process No:	1 Gradin	ng: SX	Price Per Ton: \$3	32.21	Mix Design I/DP:	\$2,579.24
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor		Std. Dev.		
AC	3	3203		100.000	1.02500	\$773.77	0.100		
Density	7	3203	0	97.267	1.03500	\$1,805.47	1.061		n: 94.186
Gradation	2	3203			1.00000	\$0.00		Grad Key Siev	'e:
Mix Design N	o: 60070	2A-2	Process No:	1 Gradin	ng: SX	Price Per Ton: \$3	31.80	Mix Design I/DP:	\$6,859.08
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor		Std. Dev.		
AC	6	5676		100.000	1.03500	\$1,895.27	0.087		
Density	11	5676		99.576	1.04500	\$4,061.30	0.744		n: 93.673
Gradation	3	5676		100.000	1.02500	\$902.51		Grad Key Siev	e: All QLs10
Mix Design N	o: 60070	2A3 F	Process No:	1 Gradin	ng: SX	Price Per Ton: \$	31.35	Mix Design I/DP:	\$29,470.19
	Tests	Tons		<b>Quality Level</b>	•		Std. Dev.		
AC	19	18255		99.426	1.05000	\$8,583.55	0.099		
Density	37	18255		96.976	1.05500	\$15,736.51	0.805		ın: 93.489
Gradation	10	18255		99.912	1.04500	\$5,150.13		Grad Key Siev	e: All QLs10
					Tons:		I/DP:		
Project Tota	us 1380	6	•	t Content	45,414		\$19,101.15		
			Ma	t Density	27,134		\$21,603.28		
			(	Gradation	45,414		\$10,761.78		
				Quantity	44,476	Project I/DP:	\$51,466.21		

Comments: Missing Density Tests

Subaccount	: 13880	PL	H 149A-02	20 South F	ork - Creed	le Regio	n: 5	Supplier: 11
Mix Design N	lo: 600602	2 P	rocess No:	1 Gradir	ıg: SX	Price Per Ton: \$3	37.22	Mix Design I/DP: \$41,488.5
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	59	58169		89.345	0.99607	(\$2,551.10)	0.166	
Density	75	37117	21052	94.058	1.02928	\$20,224.13	1.068	Den Mean: 94.072
Gradation	30	58169		98.350	1.05500	\$23,815.55	••	Grad Key Sieve: No. 4
					Tons:		I/DP:	
Project Tota	als 1388	0	Asphalt	Content	58,169		(\$2,551.10)	
			Mat	Density	58,169		\$20,224.13	
			G	iradation	58,169		\$23,815.55	
			Plan	Quantity	39,765	Project I/DP:	\$41,488.58	
Commen	nts:							
Subaccount	t: 13917	ST	4 095A-00	5 SH 95:	68th Ave to	Over Regio	n: 6	Supplier: 33
Mix Design N	No: 14699	2 P	rocess No:	1 Gradin	ng: S	Price Per Ton: \$	42.00	Mix Design I/DP: \$7,405.87
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	13	12622		94.413	1.04447	\$7,072.91	0.161	
Density	25	12622	0	87.790	1.00143	\$378.55	0.996	Den Mean: 93.16
Gradation	7	12622		81.314	0.99957	(\$45.59)		Grad Key Sieve: 3/8
Mix Design N	No: 14701	0 F	rocess No:	1 Gradii	ng: S	Price Per Ton: \$	42.82	Mix Design I/DP: (\$4,664.4
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.	
AC	3	2039		40.326	0.81042	(\$4,965.56)	0.212	
Density	5	2039	0	100.000	1.03000	\$1,309.65	0.406	Den Mean: 94.1
Gradation	3	2039		58.043	0.94224	(\$1,008.56)		Grad Key Sieve: No. 4
					Tons:	·	I/DP:	
Project Total	als 1391	17	Asphali	t Content	14,661		\$2,107.35	
_			Mat	Density	14,661		\$1,688.20	
				Gradation	14,661		(\$1,054.15)	)
			Plan	Quantity	16,381	Project I/DP:	\$2,741.40	
Commer	nts:							

Subaccount	t: 13959	ST	4 1191-01	7 SH 119	Boulder Ca	inyon Regio	n: 4	Supplier: 41
Mix Design I	No: 143228	Р	rocess No:	1 Gradin	ıg: S	Price Per Ton: \$3	35.60	Mix Design I/DP: (\$4,081.24)
	Tests	Tons	PF 1.0	Quality Level	Pay Factor	I/DP	Std. Dev.	
AC	3	2513		51.128	0.89714	(\$2,760.74)	0.163	
Density	6	2513	0	86.277	1.02405	\$1,075.82	1.008	Den Mean: 93.1
Gradation	2	2513			0.86607	(\$2,396.32)		Grad Key Sieve:
Mix Design I	No: 143228	A P	rocess No:	1 Gradin	ıg: S	Price Per Ton: \$3	35.60	Mix Design I/DP: \$735.32
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	3	918		100.000	1.02500	\$245.11	0.147	
Density	5	918	0	100.000	1.03000	\$490.21	0.444	Den Mean: 93.42
Gradation	2	918			1.00000	\$0.00		Grad Key Sieve:
Mix Design 1	No: 143230	) P	rocess No:	1 Gradin	ng: S	Price Per Ton: \$4	10.70	Mix Design I/DP: \$5,997.16
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	5	4037		99.048	1.03000	\$1,478.75	0.122	
Density	10	4037	0	99.836	1.04500	\$3,696.88	0.728	Den Mean: 94.29
Gradation	3	4037		100.000	1.02500	\$821.53		Grad Key Sieve: All QLs1
					Tons:		I/DP:	
Project Tot	als 1395	9	Asphal	t Content	7,468		(\$1,036.88)	
			Ma	t Density	7,468		\$5,262.91	
			(	Gradation	7,468		(\$1,574.79)	
			Plan	Quantity	7,952	Project I/DP:	\$2,651.24	
Comme	nts:							
Subaccoun	t: 13982	IM	0253-176	I-25, SH	H 52 to SH	66 Regio	n: 4	Supplier: 33
Mix Design	No: 50302	3 F	Process No:	1 Gradir	ng: SX	Price Per Ton: \$	39.00	Mix Design I/DP: \$58,709.69
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	· I/DP	Std. Dev.	
	45	45000		94.111	1.03472	\$18,279.42	0.159	
AC		44000	0	95.087	1.03680	\$31,574.26	0.837	Den Mean: 93.382
AC Density	89			04.445	1.02580	\$8,856.01		Grad Key Sieve: No. 30
	22	44000		91.415				
Density Gradation	22			91.415	Tons:		I/DP:	
Density	22		Asphal	t Content	Tons: 45,000		I/DP: \$18,279.42	
Density Gradation	22		-					
Density Gradation	22		Ма	t Content	45,000		\$18,279.42	

Subaccount:	14002	IM	0251-161	I-25 Ove	erlay	Regio	n: 2	Supplier: 44
Mix Design No	o: 218	Р	rocess No:	1 Gradin	g: S	Price Per Ton: \$	36.52	Mix Design I/DP: \$21,045.38
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC	13	12940		97.408	1.04500	\$6,379.68	0.147	
Density	25	12440	0	96.493	1.05000	\$11,357.72	0.966	Den Mean: 93.816
Gradation	7	12940		98.926	1.03500	\$3,307.98		Grad Key Sieve: No. 8
Mix Design No	o: 218	Р	rocess No:	2 Gradin	ng: S	Price Per Ton: \$	36.52	Mix Design I/DP: (\$6,017.49)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	I/DP	Std. Dev.	
AC						\$0.00		
Density	1	500	0		0.34091	(\$6,017.49)		Den Mean:
Gradation						\$0.00		Grad Key Sieve:
					Tons:		I/DP:	
Project Tota	ls 1400.	2	Asphal	t Content	12,940		\$6,379.68	
			Ma	t Density	12,940		\$5,340.23	
			(	Gradation	12,940		\$3,307.98	
			Plan	Quantity	13,794	Project I/DP:	\$15,027.89	
Comment	s:							
Subaccount:	14046	NH	5502-04	US 550	Near Ridge	eway S Regio	on: 5	Supplier: 12
Mix Design N	o: 14046	A P	rocess No:	1 Gradin	ng: SX	Price Per Ton: \$	32.51	Mix Design I/DP: \$836.62
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	r I/DP	Std. Dev.	
AC	4	4921		79.272	1.01743	\$836.62	0.154	
Density			0			\$0.00		Den Mean:
Gradation	2	4921			1.00000	\$0.00		Grad Key Sieve:
Mix Design N	o: 14046l	3 F	rocess No:	1 Gradi	ng: SX	Price Per Ton: \$	32.59	Mix Design I/DP: (\$395.16)
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	r I/DP	Std. Dev.	
AC	3	2993		100.000	1.02500	\$731.50	0.239	
Density			0			<b>\$0</b> .00		Den Mean:
Gradation	3	2993		58.043	0.94224	(\$1,126.66)		Grad Key Sieve: 3/8
Mix Design N	o: 14046	C F	Process No:	1 Gradi	ng: SX	Price Per Ton: \$	32.44	Mix Design I/DP: \$35,961.06
	Tests	Tons	PF 1.0	<b>Quality Level</b>	Pay Factor	r I/DP	Std. Dev.	
AC	29	28405		96.247	1.05241	\$14,489.21	0.129	
Density	47	23426	0	99.629	1.05500	\$20,899.33	0.705	Den Mean: 93.872
Gradation	14	28405		85.992	1.00311	\$572.52		Grad Key Sieve: No. 8
					Tons:		I/DP:	
	1 1/0	16	Aspha	It Content	36,319		\$16,057.33	
Project Tota	us 1404						\$20,899.33	
Project Tota	ils 1404		Ma	at Densitv	23,420			
Project Tota	ils 1404			nt Density Gradation	23,426 36,319			
Project Tota	ils 1404			-	36,319 32,814	Project I/DP:	(\$554.14	)

Totals for all Projects Projects with Bid Dates from 1/1/02 to 12/31/02.

Number of Processes: 61

Tons:

I/DP:

Asphalt Content

703,293

\$96,870.92

**Mat Density** 

664,614

-

,

\$415,137.83

Gradation

704,288

\$41,008.52

Total I/DP:

\$553,017.27

## Calculated Pay Factor Composite and I/DP by Region

Criteria: Projects with Bid Dates from 1/1/02 to 12/31/02.

Projects with Plan Quantities from 0 to 200000 tons.

PFC is back calculated from the Project's I/DP.

A Calculated Average Unit Price is used in the calculation.

Region	n 1				Total	Average	Pay Factor			
Subacct.	Bid Date	Project Code	Reg.	Grading	Tons	Price	Composite	Project I/DP	Supplier	
13513	12/05/02	NH 0242-034	1	SX	52,244	\$27.70	1.04708	\$68,129.53	17	
13507	05/30/02	STA 119A-04	1	S	7,600	\$45.51	1.04300	\$14,872.67	45	
13494	12/12/02	STA 0741-013	1	SX	16,845	\$34.43	1.03355	\$19,458.52	33	
13434	02/07/02	NH 0403-454	1	SX	23,468	\$45.25	1.01661	\$17,635.30	19	
13362	06/20/02	STA 086A-03	1	S	7,840	\$46.46	0.99935	(\$237.86)	49	
13435	01/31/02	STA 0061-069	1	SX	21,671	\$44.78	0.99725	(\$2,667.00)	13	
13854	12/05/02	IM 0703-280	1	SMA	47,602	\$44.62	0.98954	(\$22,222.33)	13	
Region	1	Number of Pro	jects:	7	CPFC:	Maximum:	1.04708			
		Total 7	ons:	177,270		Minimum:	0.98954			
						Average:	1.01805			
		Incentiv	/e/Disi	ncentive P	ayments		Sum I/DPs:	\$94,968.83		
				D/Ps:	4		Maximum:	\$68,129.53		
		-	OSITIVE	10/1 3.						
				D/Ps:	3		Minimum:	(\$22,222.33)		
						A	Minimum: verage IDP:	(\$22,222.33) \$13,566.98		
Region	n 2					A				
	n 2		egative			Average Price			Supplier	
		N	egative	e ID/Ps:	3 Total	Average	verage IDP:	\$13,566.98	Supplier 55	
Subacct.	Bid Date	Project Code	Reg.	e ID/Ps:	3 Total Tons	Average Price	Pay Factor Composite	\$13,566.98  Project I/DP		
Subacct. 13479	Bid Date 01/24/02	Project Code STA 1151-013	Reg.	Grading S	Total Tons 5,970	Average Price \$32.35	Pay Factor Composite	\$13,566.98 Project I/DP \$7,338.92	55	
Subacct. 13479 13733	01/24/02 06/20/02	Project Code STA 1151-013 NH 0851-005	Reg.	Grading S S	Total Tons 5,970 12,022	Average Price \$32.35 \$33.64	Pay Factor Composite 1.03800 1.03606	\$13,566.98  Project I/DP  \$7,338.92 \$14,581.78	55 55	
13479 13733 12548	01/24/02 06/20/02 03/14/02	Project Code STA 1151-013 NH 0851-005 NH 0503-057	Reg.	Grading S S S	Total Tons 5,970 12,022 8,980	Average Price \$32.35 \$33.64 \$45.00	Pay Factor Composite 1.03800 1.03606 1.03501	\$13,566.98 Project I/DP \$7,338.92 \$14,581.78 \$14,147.10	55 55 38	
13479 13733 12548 14002	01/24/02 06/20/02 03/14/02 06/27/02	Project Code STA 1151-013 NH 0851-005 NH 0503-057 IM 0251-161	Reg.	Grading S S S S	Total Tons 5,970 12,022 8,980 12,940	Average Price \$32.35 \$33.64 \$45.00 \$36.52	Pay Factor Composite 1.03800 1.03606 1.03501 1.03180	\$13,566.98 Project I/DP \$7,338.92 \$14,581.78 \$14,147.10 \$15,027.89	55 55 38 44	
13479 13733 12548 14002 13446	01/24/02 06/20/02 03/14/02 06/27/02 01/24/02	Project Code  STA 1151-013  NH 0851-005  NH 0503-057  IM 0251-161  STA 069A-01	Reg. 2 2 2 2 2	Grading S S S S S	3 Total Tons 5,970 12,022 8,980 12,940 12,032	Average Price \$32.35 \$33.64 \$45.00 \$36.52 \$32.00	Pay Factor Composite  1.03800 1.03606 1.03501 1.03180 1.03063	\$13,566.98 Project I/DP \$7,338.92 \$14,581.78 \$14,147.10 \$15,027.89 \$11,793.25	55 55 38 44 32	
13479 13733 12548 14002 13446 12859	Bid Date 01/24/02 06/20/02 03/14/02 06/27/02 01/24/02 06/27/02 10/10/02	Project Code  STA 1151-013  NH 0851-005  NH 0503-057  IM 0251-161  STA 069A-01  STA 1151-011	Reg. 2 2 2 2 2 2	Grading S S S S S S	Total Tons 5,970 12,022 8,980 12,940 12,032 2,700 3,335	Average Price \$32.35 \$33.64 \$45.00 \$36.52 \$32.00 \$46.69	Pay Factor Composite  1.03800 1.03606 1.03501 1.03180 1.03063 0.96163 0.92137	\$13,566.98  Project I/DP  \$7,338.92 \$14,581.78 \$14,147.10 \$15,027.89 \$11,793.25 (\$4,836.56)	55 55 38 44 32 44	
13479 13733 12548 14002 13446 12859 13578	Bid Date 01/24/02 06/20/02 03/14/02 06/27/02 01/24/02 06/27/02 10/10/02	Project Code STA 1151-013 NH 0851-005 NH 0503-057 IM 0251-161 STA 069A-01 STA 1151-011 BR 385A-013	Reg. 2 2 2 2 2 2 ijects:	Grading S S S S S S T	Total Tons 5,970 12,022 8,980 12,940 12,032 2,700 3,335	Average Price \$32.35 \$33.64 \$45.00 \$36.52 \$32.00 \$46.69 \$46.00	Pay Factor Composite  1.03800  1.03606  1.03501  1.03180  1.03063  0.96163  0.92137  1.03800	\$13,566.98  Project I/DP  \$7,338.92 \$14,581.78 \$14,147.10 \$15,027.89 \$11,793.25 (\$4,836.56)	55 55 38 44 32 44	
13479 13733 12548 14002 13446 12859 13578	Bid Date 01/24/02 06/20/02 03/14/02 06/27/02 01/24/02 06/27/02 10/10/02	Project Code  STA 1151-013  NH 0851-005  NH 0503-057  IM 0251-161  STA 069A-01  STA 1151-011  BR 385A-013  Number of Pro	Reg. 2 2 2 2 2 2 ijects:	Grading S S S S S S T	Total Tons 5,970 12,022 8,980 12,940 12,032 2,700 3,335	Average Price \$32.35 \$33.64 \$45.00 \$36.52 \$32.00 \$46.69 \$46.00	Pay Factor Composite  1.03800 1.03606 1.03501 1.03180 1.03063 0.96163 0.92137 1.03800 0.92137	\$13,566.98  Project I/DP  \$7,338.92 \$14,581.78 \$14,147.10 \$15,027.89 \$11,793.25 (\$4,836.56)	55 55 38 44 32 44	
Subacct.  13479 13733 12548 14002 13446 12859 13578	Bid Date 01/24/02 06/20/02 03/14/02 06/27/02 01/24/02 06/27/02 10/10/02	Project Code STA 1151-013 NH 0851-005 NH 0503-057 IM 0251-161 STA 069A-01 STA 1151-011 BR 385A-013 Number of Pro	Reg. 2 2 2 2 2 jects:	Grading S S S S S S T	3 Total Tons 5,970 12,022 8,980 12,940 12,032 2,700 3,335 CPFC:	Average Price \$32.35 \$33.64 \$45.00 \$36.52 \$32.00 \$46.69 \$46.00 Maximum: Minimum:	Pay Factor Composite  1.03800 1.03606 1.03501 1.03180 1.03063 0.96163 0.92137	\$13,566.98  Project I/DP  \$7,338.92 \$14,581.78 \$14,147.10 \$15,027.89 \$11,793.25 (\$4,836.56)	55 55 38 44 32 44	
Subacct.  13479 13733 12548 14002 13446 12859 13578	Bid Date 01/24/02 06/20/02 03/14/02 06/27/02 01/24/02 06/27/02 10/10/02	Project Code  STA 1151-013  NH 0851-005  NH 0503-057  IM 0251-161  STA 069A-01  STA 1151-011  BR 385A-013  Number of Pro  Total	Reg. 2 2 2 2 2 jects:	Grading S S S S S S 7 57,979	3 Total Tons 5,970 12,022 8,980 12,940 12,032 2,700 3,335 CPFC:	Average Price \$32.35 \$33.64 \$45.00 \$36.52 \$32.00 \$46.69 \$46.00 Maximum: Minimum:	Pay Factor Composite  1.03800 1.03606 1.03501 1.03180 1.03063 0.96163 0.92137 1.03800 0.92137 1.00779	\$13,566.98  Project I/DP  \$7,338.92 \$14,581.78 \$14,147.10 \$15,027.89 \$11,793.25 (\$4,836.56) (\$12,062.69)	55 55 38 44 32 44	
Subacct.  13479 13733 12548 14002 13446 12859 13578	Bid Date 01/24/02 06/20/02 03/14/02 06/27/02 01/24/02 06/27/02 10/10/02	Project Code  STA 1151-013  NH 0851-005  NH 0503-057  IM 0251-161  STA 069A-01  STA 1151-011  BR 385A-013  Number of Pro  Total	Reg. 2 2 2 2 2 jects: Fons:	Grading S S S S S S T 7 57,979	Total Tons 5,970 12,022 8,980 12,940 12,032 2,700 3,335 CPFC:	Average Price \$32.35 \$33.64 \$45.00 \$36.52 \$32.00 \$46.69 \$46.00 Maximum: Minimum:	Pay Factor Composite  1.03800 1.03606 1.03501 1.03180 1.03063 0.96163 0.92137 1.03800 0.92137 1.00779  Sum I/DPs:	\$13,566.98  Project I/DP  \$7,338.92 \$14,581.78 \$14,147.10 \$15,027.89 \$11,793.25 (\$4,836.56) (\$12,062.69)	55 55 38 44 32 44	

Region	1 3									
Subacct.	Bid Date	Project Code	Reg.	Grading	Total Tons	Average Price	Pay Factor Composite	Project I/DP	Supplier	
13551	03/07/02	STA 0241-038	3	sx	45,607	\$35.69	1.04191	\$68,219.76		
13864	03/28/02	STA 0821-063	3	SX	60,240	\$33.21	1.03742	\$74,852.29	16	
13866	03/28/02	STA 131A-02	3	sx	45,414	\$30.37	1.03732	\$51,466.21	16	
12609	03/07/02	NH 0502-048	3	SX	18,443	\$38.21	1.00979	\$6,897.46	32	
Region	3	Number of Proj	jects:	4	CPFC:	Maximum:	1.04191		,	
		Total 1	ons:	169,704		Minimum:	1.00979			
						Average:	1.03161			
		Incentiv	/e/Disi	ncentive P	ayments	-	Sum I/DPs:	\$201,435.72		
		F	ositiv	e ID/Ps:	4		Maximum:	\$74,852.29		
				1D /D-	0		Minimum:	\$6,897.46		
		N	egativ	e ID/Ps:	U		miiiiiiiiiiiiii.	Ψ0,007.40		
		N	egativ	e ID/PS:	U	A	verage IDP:	\$50,358.93		
Region	ı 4		egativ	e ID/PS:		A				-
_	<i>t</i> 4	Project Code			Total Tons	Average Price			Supplier	-
_					Total	Average	everage IDP:	\$50,358.93	Supplier 33	
Subacct.	Bid Date	Project Code	Reg.	Grading	Total Tons	Average Price	Pay Factor Composite	\$50,358.93 Project I/DP		
Subacct. 13982	04/25/02 06/20/02	Project Code	Reg.	Grading SX	Total Tons 45,000	Average Price \$39.00	Pay Factor Composite	\$50,358.93  Project I/DP  \$58,709.69	33	
13982 12761	94/25/02 06/20/02 05/30/02	Project Code IM 0253-176 STA 066A-00	Reg. 4 4 4	Grading SX S	Total Tons 45,000 8,748	Average Price \$39.00 \$35.14 \$38.36	Pay Factor Composite 1.03345 1.02477 1.00926	\$50,358.93 Project I/DP \$58,709.69 \$7,614.09	33 40	
12761 13959	94/25/02 06/20/02 05/30/02	Project Code IM 0253-176 STA 066A-00 STA 1191-017	Reg. 4 4 4	Grading SX S S	Total Tons 45,000 8,748 7,468	Average Price \$39.00 \$35.14 \$38.36	Pay Factor Composite 1.03345 1.02477 1.00926	\$50,358.93 Project I/DP \$58,709.69 \$7,614.09	33 40	
Subacct. 13982 12761 13959	94/25/02 06/20/02 05/30/02	Project Code IM 0253-176 STA 066A-00 STA 1191-017	Reg. 4 4 4	Grading SX S S	Total Tons 45,000 8,748 7,468	Average Price \$39.00 \$35.14 \$38.36 Maximum:	Pay Factor Composite  1.03345 1.02477 1.00926 1.03345 1.00926	\$50,358.93 Project I/DP \$58,709.69 \$7,614.09	33 40	_
Subacct. 13982 12761 13959	94/25/02 06/20/02 05/30/02	Project Code IM 0253-176 STA 066A-00 STA 1191-017 Number of Pro Total	Reg. 4 4 4 jects:	Grading SX S S	Total Tons 45,000 8,748 7,468 CPFC:	Average Price \$39.00 \$35.14 \$38.36 Maximum: Minimum:	Pay Factor Composite 1.03345 1.02477 1.00926 1.03345	\$50,358.93 Project I/DP \$58,709.69 \$7,614.09	33 40	
Subacct. 13982 12761 13959	94/25/02 06/20/02 05/30/02	Project Code IM 0253-176 STA 066A-00 STA 1191-017 Number of Pro Total	Reg. 4 4 4 ijects:	Grading SX S S 61,216	Total Tons 45,000 8,748 7,468 CPFC:	Average Price \$39.00 \$35.14 \$38.36 Maximum: Minimum:	Pay Factor Composite  1.03345 1.02477 1.00926 1.03345 1.00926 1.00926	\$50,358.93 Project I/DP \$58,709.69 \$7,614.09 \$2,651.24	33 40	
Subacct. 13982 12761 13959	94/25/02 06/20/02 05/30/02	Project Code IM 0253-176 STA 066A-00 STA 1191-017 Number of Pro Total	Reg. 4 4 4 jjects: Tons:	Grading SX S S 61,216	Total Tons 45,000 8,748 7,468 CPFC:	Average Price \$39.00 \$35.14 \$38.36 Maximum: Minimum:	Pay Factor Composite  1.03345 1.02477 1.00926 1.03345 1.00926 1.02249  Sum I/DPs:	\$50,358.93 Project I/DP \$58,709.69 \$7,614.09 \$2,651.24	33 40	

Region Subacct.		Project Code	Reg.	Grading	Total Tons	Average Price	Pay Factor Composite	Project I/DP	Supplier
12800	11/14/02	NH 1602-075	5	SX	5,328	\$51.00	1.03800	\$10,325.66	57
14046	07/11/02	NH 5502-041	5	SX	36,319	\$32.46	1.03088	\$36,402.52	12
12798	01/31/02	BR 0502-049	5	sx	3,312	\$67.20	1.02386	\$5,310.01	12
13880	02/28/02	PLH 149A-02	5	SX	58,169	\$37.22	1.01916	\$41,488.59	11
13017	08/22/02	BR 0502-050	5	SX	2,667	\$53.70	1.01341	\$1,921.18	11
Region	5	Number of Proj	ects:	5	CPFC:	Maximum:	1.03800		
		Total 1	ons:	105,795		Minimum:	1.01341		
						Average:	1.02506		
		Incentiv	e/Disi	ncentive P	ayments		Sum I/DPs:	\$95,447.96	
		P	ositive	ID/Ps:	5		\$41,488.59		
		N	e ID/Ps:	0		Minimum:	\$1,921.18		
						A	verage IDP:	\$19,089.59	
Region Subacct.	Bid Date	Project Code	Reg.	Grading	Total Tons	Average Price	Pay Factor Composite	Project I/DP	Supplier
13066	06/27/02	IM 0703-268	6	SMA	19,785	\$42.50	1.03381	\$28,431.05	19
13352	02/07/02	STA 0853-044	6	S	60,925	\$45.20	1.02577	\$70,954.80	33
13735	02/07/02	STA 4701-100	6	S	6,620	\$41.07	1.00776	\$2,108.64	41
13357	12/12/02	STA 1281-007	6	sx	12,322	\$34.00	1.00765	\$3,204.53	33
13917	07/11/02	STA 095A-00	6	S	14,661	\$42.11	1.00444	\$2,741.40	33
13340	01/24/02	STA C110-01	6	S	4,000	\$38.00	0.93652	(\$12,061.20)	14
13549	01/24/02	STA 0853-045	6	S	10,796	\$34.50	0.91724	(\$30,824.74)	37
13573	04/18/02	NH 2254-064	6	S	2,220	\$38.82	0.83596	(\$14,137.12)	37
Region	6	Number of Pro	jects:	8	CPFC:	Maximum:	1.03381		
		Total 1	fons:	131,329		Minimum:	0.83596		
						Average:	0.97114		
		Incenti	ve/Disi	incentive f	ayments		Sum I/DPs:	\$50,417.36	
		F	ositiv	e ID/Ps:	5		Maximum:	\$70,954.80	
		N	egativ	e ID/Ps:	3		Minimum:	(\$30,824.74)	
							Average IDP:	\$6,302.17	

Statewide Totals: 1/1/02 to 12/31/02. Plan Quantities 0 to 200000 tons. Number of Projects: CPFC Maximum: 1.04708 Total Tons: 703,293 Minimum: 0.83596 Average: 1.00792 Incentive/Disincentive Payments Sum I/DPs: \$557,234.58 Positive ID/Ps: 26 \$74,852.29 Maximum: Negative ID/Ps: 8 Minimum: (\$30,824.74)

Average IDP:

\$16,389.25

# Asphalt Content - Process Information

Criteria: Projects with Bid Dates from 1/1/02 to 12/31/02.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Grading: S	Gr	ad	in	g:	: S
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Bid Date	Subacct.	Region	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.
03/14/02	12548	2	8404	S	\$45.00	211	1	2560	3	100.000	1.02500	0.160
06/20/02	12761	4	7263	S	\$38.00	143254	1	2497	3	100.000	1.02500	0.159
06/20/02	12761	4	7263	S	\$34.00	143252A	1	3251	4	100.000	1.03000	0.115
06/27/02	12859	2	2750	S	\$46.69	233	1	2700	3	100.000	1.02500	0.114
01/24/02	13340	6	7441	S	\$38.00	105887	1	4000	4	100.000	1.03000	0.122
06/20/02	13362	1	8340	S	\$54.86	138931	1	2987	3	100.000	1.02500	0.026
06/20/02	13362	1	8340	S	\$41.29	138927-2	1	2443	3	100.000	1.02500	0.085
06/20/02	13733	2	11507	S	\$38.90	230	1	3296	4	100.000	1.03000	0.126
05/30/02	13959	4	7952	S	\$35.60	143228A	1	918	3	100.000	1.02500	0.147
01/24/02	13446	2	12504	S	\$32.00	242	1	12032	13	99.148	1.04500	0.130
05/30/02	13959	4	7952	S	\$40.70	143230	1	4037	5	99.048	1.03000	0.122
03/14/02	12548	2	8404	S	\$45.00	224	1	6420	7	97.942	1.03500	0.135
06/27/02	14002	2	13794	S	\$36.52	218	1	12940	13	97.408	1.04500	0.147
06/20/02	13733	2	11507	S	\$31.65	229	1	8726	7	96.442	1.03500	0.164
05/30/02	13507	1	5634	S	\$45.51	146128-1	1	7600	8	96.087	1.04000	0.147
01/24/02	13479	2	17036	S	\$32.35	191	1	5970	6	95.268	1.03500	0.135
07/11/02	13917	6	16381	S	\$42.00	146992	1	12622	13	94.413	1.04447	0.161
02/07/02	13352	6	54344	S	\$40.00	146980	1	25757	26	94.082	1.04030	0.143
06/20/02	12761	4	7263	S	\$34.00	143252	1	3000	3	83.614	1.02500	0.245
02/07/02	13735	6	6935	S	\$39.91	105896	1	5009	5	82.653	1.01787	0.126
10/10/02	13578	2	3335	S	\$46.00	234	1	3335	4	69.928	0.97844	0.286
01/24/02	13549	6	11306	S	\$34.50	146977	1	10796	11	63.645	0.86791	0.327
05/30/02	13959	4	7952	S	\$35.60	143228	1	2513	3	51.128	0.89714	0.163
06/20/02	13362	1	8340	S	\$41.29	144626	1	2410	3	47.357	0.86911	0.104
07/11/02	13917	6	16381	S	\$42.82	147010	1	2039	3	40.326	0.81042	0.212

Totals Grading: S				Quality Level	Pay Factor	St. Dev.
Number of Processes:	25	Total Tons: 149,858	Maximum:	100.000	1.04500	0.327

40.326 Weighted Average: 90.838 1.01510 0.158

Minimum:

0.81042

0.026

Grading: S.
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Bid Date	Subacct.	Region	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.
12/05/02	13854	1	49493	SM	\$48.70	132094-2	1	8509	8	92.460	1.03973	0.130
12/05/02	13854	1	49493	SM	\$48.70	132094-3	1	23305	24	89.878	1.01541	0.181
06/27/02	13066	6	52799	SM	\$42.50	147029	1	19785	16	87.983	1.01094	0.197
02/07/02	13352	6	54344	SM	\$49.00	146988-2	1	20168	20	87.896	1.00611	0.156
02/07/02	13352	6	54344	SM	\$49.00	146988-1	1	15000	15	76.531	0.94351	0.159

Number of Processes: 5 Total Tons: 86,767 Maximum: 92.460 1.03973 0.197

Minimum: 76.531 0.94351 0.130

Weighted Average: 86.931 1.00218 0.170

Grading:	SX

Bid Date	Subacct.	Region	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.
01/31/02	12798	5	3307	SX	\$67.20	601302A	1	3312	4	100.000	1.03000	0.118
03/07/02	13551	3	44617	SX	\$35.64	Γ 601502	1	6346	6	100.000	1.03500	0.077
03/28/02	13866	3	44476	SX	\$32.21	600702A	1	3203	3	100.000	1.02500	0.100
03/28/02	13866	3	44476	SX	\$31.80	)0702A-2	1	5676	6	100.000	1.03500	0.087
07/11/02	14046	5	32814	SX	\$32.59	14046B	1	2993	3	100.000	1.02500	0.239
03/28/02	13866	3	44476	SX	\$31.35	00702A3	1	18255	19	99.426	1.05000	0.099
03/07/02	12609	3	18472	SX	\$36.64	55002-2	1	6063	6	99.356	1.03500	0.135
03/28/02	13866	3	44476	SX	\$28.62	300702-1	1	18280	19	97.492	1.05000	0.140
07/11/02	14046	5	32814	SX	\$32.44	14046C	1	28405	29	96.247	1.05241	0.129
03/28/02	13864	3	47039	SX	\$33.21	301601-2	1	60240	61	95.793	1.04426	0.143
12/05/02	13513	1	51734	SX	\$27.70	146464	1	52244	53	95.148	1.04067	0.152
03/07/02	12609	3	18472	SX	\$40.35	56902-T1	1	7216	8	95.049	1.03500	0.083
04/25/02	13982	4	50546	SX	\$39.00	50302B	1	45000	45	94.111	1.03472	0.159
03/07/02	13551	3	44617	SX	\$35.70	301502-2	1	39261	40	93.815	1.03367	0.136
11/14/02	12800	5	5149	SX	\$51.00	300RAP1	1	5328	6	92.158	1.03500	0.147
02/28/02	13880	5	39765	SX	\$37.22	600602	1	58169	59	89.345	0.99607	0.166
12/12/02	13494	1	17173	SX	\$30.00	136164-1	1	10058	11	88.914	1.02216	0.195
03/07/02	12609	3	18472	SX	\$37.05	55002-1	1	5164	5	88.459	1.03000	0.178
12/12/02	13494	1	17173	SX	\$41.00	136164	1	6787	8	82.409	0.99859	0.127
02/07/02	13434	1	26077	SX	\$45.25	132090	1	23468	24	82.392	0.96632	0.159
12/12/02	13357	6	13793	SX	\$34.00	147007	1	4754	6	81.384	1.00499	0.230
12/12/02	13357	6	13793	SX	\$34.00	147008-1	1	7568	10	81.190	0.98615	0.232
07/11/02	14046	5	32814	SX	\$32.51	14046A	1	4921	4	79.272	1.01743	0.154
01/31/02	13435	1	22813	SX	\$44.78	139201	1	21671	22	74.111	0.90966	0.257
12/05/02	13854	1	49493	SX	\$36.40	13293-1	1	15788	16	71.765	0.90708	0.279
08/22/02	13017	5	2826	SX	\$53.70	3017SX3	1	2667	3	66.501	0.98638	0.331

Totals Grading:	SX
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Number of Processes: 26

Number of Processes: 56

Total Tons: 462,837

Total Tons: 699,462

Pay Quality Level Factor Maximum: 100.000 1.05241

St. Dev. 0.331

Minimum:

66.501

0.90708

Weighted Average: 91.333

1.01774

**Asphalt Content - Totals** 1/1/02 to 12/31/02.

Plan Quantities from 0 to 200000 tons.

Quality Pay Factor St. Dev. Level 1.05241 Maximum: 100.000

Minimum: 40.326 0.81042

Weighted Average: 90.681

1.01524

0.331

0.026

## Asphalt Content - Recap by Region

Criteria: Projects with Bid Dates from 1/1/02 to 12/31/02.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Weighted average used for: Price, Pay Factor, St. Dev., and Quality Level

Grading:	$\boldsymbol{\mathcal{S}}$					_			uality Level	
		Processes	Tons	Tests	Price	Pay Factor	St. Dev.	Avg.	High	Low
	Region: 1	4	15,440	17	\$45.99	1.00805	0.107	89.857	100.000	47.357
	Region: 2	9	57,979	60	\$36.89	1.03486	0.149	96.264	100.000	
	Region: 4	6	16,216	21	\$36.62	1.00743	0.157	89.158	100.000	51.128
	Region: 6	6	60,223	62	\$39.39	0.99994	0.179	86.317	100.000	40.326
	Totals: S	25	149,858	160	\$38.80	1.01510	0.158	90.838	100.000	40.326
Grading:	SMA							Q	uality Level	
		Processes	Tons	Tests	Price	Pay Factor	St. Dev.	Avg.	High	Low
	Region: 1	2	31,814	32	\$48.70	1.02191	0.167	90.569	92.460	89.878
	Region: 6	3	54,953	51	\$46.66	0.99076	0.172	84.825	87.983	76.531
	Totals: SMA	5	86,767	83	\$47.41	1.00218	0.170	86.931	92.460	76.531
Grading:	SX	-						Q	uality Level	
		Processes	Tons	Tests	Price	Pay Factor	St. Dev.	Avg.	High	Low
	Region: 1	6	130,016	134	\$35.64	0.98556	0.188	85.352	95.148	71.765
	Region: 3	10	169,704	173	\$33.66	1.04087	0.129	96.159	100.000	88.459
	Region: 4	1	45,000	45	\$39.00	1.03472	0.159	94.111	94.111	
	Region: 5	7	105,795	108	\$37.63	1.01579	0.159	90.930	100.000	66.501
	Region: 6	2	12,322	16	\$34.00	0.99342	0.231	81.265	81.384	81.190
	Totals: SX	26	462,837	476	\$35.65	1.01774	0.158	91.333	100.000	66.501
Statewide	Totals					_		C	uality Level	
		Processes	Tons	Tests	Price	Pay Factor	St. Dev.	Avg.	High	Low
		56	699,462	719	\$37.79	1.01524	0.160	90.681	100.000	40.326

## Mat Density - Process Information

Criteria: Projects with Bid Dates from 1/1/02 to 12/31/02.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Gradin	g: S												
Bid Date	Subacct.	Reg.	Plan Quant.	Gradin	g Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.	Mean
06/20/02	12761	4	7263	S	\$34.00	143252	1	3000	6	100.000	1.03500	0.459	94.15
06/20/02	12761	4	7263	S	\$34.00	43252A	1	3251	7	100.000	1.03500	0.503	93.3
06/20/02	12761	4	7263	S	\$38.00	143254	1	2497	5	100.000	1.03000	0.808	93.56
07/11/02	13917	6	16381	S	\$42.82	147010	1	2039	5	100.000	1.03000	0.406	94.1
05/30/02	13959	4	7952	S	\$35.60	43228A	1	918	5	100.000	1.03000	0.444	93.42
03/14/02	12548	2	8404	S	\$45.00	224	1	6420	13	99.995	1.04500	0.658	94.09
06/20/02	13733	2	11507	S	\$38.90	230	1	3296	7	99.923	1.03500	0.803	93.71
05/30/02	13959	4	7952	S	\$40.70	143230	1	4037	10	99.836	1.04500	0.728	94.29
05/30/02	13507	1	5634	S	\$45.51	46128-1	1	7600	17	99.416	1.05000	0.812	94.04
06/20/02	13362	1	8340	S	\$54.86	138931	1	2987	6	99.352	1.03500	0.739	94.63
01/24/02	13446	2	12504	S	\$32.00	242	1	7532	16	99.228	1.05000	0.776	94.27
01/24/02	13549	6	11306	S	\$34.50	146977	1	10796	21	98.422	1.05000	0.692	93.42
01/24/02	13479	2	17036	S	\$32.35	191	1	5970	12	97.469	1.04500	0.817	93.49
06/27/02	14002	2	13794	S	\$36.52	218	1	12440	25	96.493	1.05000	0.966	93.82
06/20/02	13733	2	11507	S	\$31.65	229	1	8725	17	96.477	1.05000	0.840	93.47
03/14/02	12548	2	8404	S	\$45.00	211	1	2560	6	92.670	1.03500	0.977	93.33
02/07/02	13352	6	54344	S	\$40.00	146980	1	25757	52	92.614	1.02256	0.684	92.99
06/20/02	13362	1	8340	S	\$41.29	38927-2	1	2443	5	90.358	1.03000	1.379	94.04
07/11/02	13917	6	16381	S	\$42.00	146992	1	12622	25	87.790	1.00143	0.996	93.16
05/30/02	13959	4	7952	S	\$35.60	143228	1	2513	6	86.277	1.02405	1.008	93.1
02/07/02	13735	6	6935	S	\$39.91	105896	1	5009	10	82.670	0.99389	0.369	92.35
01/24/02	13340	6	7441	S	\$38.00	105887	1	3500	7	81.871	1.00214	1.546	93.99
06/20/02	13362	1	8340	S	\$41.29	144626	1	2410	5	72.114	0.97214	1.575	93
04/18/02	13573	6	9966	S	\$38.82	146977	1	2220	7	68.207	0.93692	1.120	92.57
06/27/02	12859	2	2750	S	\$46.69	233	1	2700	6	63.735	0.90827	2.054	93.23
10/10/02	13578	2	3335	S	\$46.00	234	1	3335	7	58.241	0.85568	2.256	93.04
02/07/02	13735	6	6935	S	\$39.91	105863	1	995	4	52.393	0.87060	1.393	92.1
Totals	- Gradin	g: S								Quality Level	Pay Factor	St. Dev.	Mean
Num	ber of Prod	cesses	: 27	Tot	al Tons:	147,572		Maxi	mum:	100.000	1.05000	2.256	94.633
						-		Mini	mum:	52.393	0.85568	0.369	92.100
							Weigh	ted Ave	erage:	92.455	1.02325	0.871	93.484

Grading: SMA													
Bid Date	Subacct.	Reg.	Plan Quant.	Grading	g Price	Mix Design	Process No.		Tests	Quality Level	Pay Factor	St. Dev.	Mean
02/07/02	13352	6	54344	SMA	\$49.00	46988-2	1	20168	41	96.111	1.04895	0.942	94.71
02/07/02	13352	6	54344	SMA	\$49.00	46988-1	1	15000	30	95.832	1.04963	1.003	95.11
06/27/02	13066	6	52799	SMA	\$42.50	147029	1	19785	40	95.508	1.04506	0.979	94.73
12/05/02	13854	1	49493	SMA	\$48.70	32094-2	1	8506	17	90.369	1.02286	1.237	95
12/05/02	13854	1	49493	SMA	\$48.70	32094-3	1	23308	46	82.261	0.94754	1.394	94.48
Totals - Grading: SMA										Quality Level	Pay Factor	St. Dev.	
Number of Processes: 5					al Tons:	86,767		Maxi	mum:	96.111	1.04963	1.394	95.110
								Mini	mum:	82.261	0.94754	0.942	
							Weigh	ited Ave	erage:	91.642	1.01838	1.111	

	·							-					
Gradin	g: SX												
Bid Date	Subacct.	Reg.	Plan Quant.	Gradi	ng Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	St. Dev.	Mean
03/07/02	12609	3	18472	SX	\$36.64	55002-2	1	6063	11	99.789	1.04500	0.630	94.51
02/07/02	13434	1	26077	sx	\$45.25	132090	1	23468	47	99.633	1.05500	0.710	93.91
07/11/02	14046	5	32814	SX	\$32.44	14046C	1	23426	47	99.629	1.05500	0.705	93.87
03/28/02	13866	3	44476	SX	\$31.80	0702A-2	1	5676	11	99.576	1.04500	0.744	93.67
12/05/02	13513	1	51734	SX	\$27.70	146464	1	52244	105	98.810	1.06000	0.802	93.93
12/12/02	13494	1	17173	SX	\$30.00	36164-1	1	10058	21	98.454	1.05000	0.878	93.96
03/07/02	12609	3	18472	SX	\$40.35	6902-T1	1	6716	14	98.178	1.04500	0.721	93.41
01/31/02	13435	1	22813	SX	\$44.78	139201	1	21671	44	97.771	1.05500	0.778	93.54
11/14/02	12800	5	5149	SX	\$51.00	00RAP1	1	5328	11	97.706	1.04500	0.962	93.83
03/07/02	12609	3	18472	SX	\$37.05	55002-1	1	4659	10	97.490	1.04500	0.640	94.85
03/28/02	13866	3	44476	SX	\$32.21	300702A	1	3203	7	97.267	1.03500	1.061	94.19
03/28/02	13866	3	44476	SX	\$31.35	)0702A3	1	18255	37	96.976	1.05500	0.805	93.49
03/07/02	13551	3	44617	SX	\$35.70	01502-2	1	39261	80	96.766	1.05037	0.944	94.05
03/28/02	13864	3	47039	SX	\$33.21	01601-2	1	54240	110	96.044	1.04361	0.974	93.90
12/12/02	13494	1	17173	SX	\$41.00	136164	1	6787	14	95.389	1.04500	0.717	94.84
04/25/02	13982	4	50546	SX	\$39.00	50302B	1	44000	89	95.087	1.03680	0.837	93.38
01/31/02	12798	5	3307	SX	\$67.20	301302A	1	2812	6	94.265	1.03500	0.956	94.62
02/28/02	13880	5	39765	SX	\$37.22	600602	1	37117	75	94.058	1.02928	1.068	94.07
12/05/02	13854	1	49493	SX	\$36.40	13293-1	1	15788	32	92.511	1.02798	0.783	93.12
12/12/02	13357	6	13793	SX	\$34.00	147007	1	4754	11	92.244	1.03650	1.195	93.91
03/07/02	13551	3	44617	SX	\$35.64	601502	1	6346	12	91.421	1.03231	0.957	94.72
08/22/02	13017	5	2826	SX	\$53.70	017SX3	1	2667	6	91.391	1.03500	1.292	93.82
12/12/02	13357	6	13793	SX	\$34.00	47008-1	1	7568	17	86.060	0.99875	0.870	92.94
Totals	- Gradii	ng: S	X							Quality Level	Pay Factor	St. Dev.	Mean
Num	ber of Pro	cesses	: 23	Т	otal Tons:	402,107		Maxi	mum:	99.789	1.06000	1.292	94.850
								Mini	imum:	86.060	0.99875	0.630	92.941
							Weigh	ited Av	erage:	96.491	1.04517	0.865	93.835
Mat D	ensity -	Totals	5 1/1/	02 to	12/31/0 P	lan Quan	ntities fro	om 0 t	o 2000	00 tons.			
										Quality Level	Pay Factor	St. Dev.	Mean
Nun	nber of Pro	ocesses	: <b>5</b> 5	Т	otal Tons:	636,446		Max	imum:	100.000	1.06000	2.256	95.110
			-					Min	imum:	52.393	0.85568	0.369	92.100
							Weigl	hted Av	erage:	94.894	1.03643	0.900	93.878

#### Mat Density - Recap by Region

Criteria: Projects with Bid Dates from 1/1/02 to 12/31/02.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Weighted average used for: Price, Pay Factor, St. Dev., Mean, and Quality Level

Grading: S								Qı	uality Level	
****	Processes	Total Tons	Tests	Price	Pay Factor	St. Dev.	Mean	Avg.	High	Low
Region 1	4	15,440	33	\$45.99	1.03178	1.007	93.99	93.709	99.416	72.114
Region 2	9	52,978	109	\$37.31	1.02772	0.991	93.71	93.365	99.995	58.241
Region 4	6	16,216	39	\$36.62	1.03474	0.673	93.72	97.833	100.000	86.277
Region 6	8	62,938	131	\$39.39	.01443	0.788	93.11	89.997	100.000	52.393
Totals: S	27	147,572	312	\$39.03	1.02325	0.871	93.48	92.455	100.000	52.393
Grading: SMA								Qı	uality Level	
	Processes	Total Tons	Tests	Price	Pay Factor	St. Dev.	Mean	Avg.	High	Low
Region 1	2	31,814	63	\$48.70	0.96768	1.352	94.62	84.429	90.369	82.261
Region 6	3	54,953	111	\$46.66	1.04774	0.972	94.82	95.818	96.111	95.508
Totals: SMA	5	86,767	174	\$47.41	1.01838	1.111	94.75	91.642	96.111	82.261
Grading: SX				_				Qı	uality Level	'
	Processes	Total Tons	Tests	Price	Pay Factor	St. Dev.	Mean	Avg.	High	Low
Region 1	6	130,016	263	\$35.64	1.05282	0.781	93.81	97.814	99.633	92.511
Region 3	9	144,419	292	\$34.28	1.04642	0.900	93.96	96.624	99.789	91.421
Region 4	1	44,000	89	\$39.00	1.03680	0.837	93.38	95.087	95.087	95.087
Region 5	5	71,350	145	\$38.48	1.03934	0.945	94.00	96.068	99.629	91.391
Region 6	2	12,322	28	\$34.00	1.01331	0.995	93.31	88.446	92.244	86.060
Totals: SX	23	402,107	817	\$35.97	1.04517	0.865	93.83	96.491	99.789	86.060

## **Gradation - Process Information**

Criteria: Projects with Bid Dates from 1/1/02 to 12/31/02.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

#### Grading: S

Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	Key Sieve
01/24/02	13479	2	17036	S	\$32.35	191		5970	3	100.000	1.02500	All QLs100
06/20/02	13733	2	11507	S	\$31.65	229		8724	3	100.000	1.02500	All QLs100
05/30/02	13959	4	7952	S	\$40.70	143230		4037	3	100.000	1.02500	All QLs100
06/27/02	14002	2	13794	S	\$36.52	218		12940	7	98.926	1.03500	No. 8
02/07/02	13352	6	54344	S	\$40.00	146980		25757	13	98.319	1.04500	No. 8
05/30/02	13507	1	5634	S	\$45.51	46128-1		7600	4	90.825	1.03000	No. 30
03/14/02	12548	2	8404	S	\$45.00	224		6420	4	88.202	1.03000	No. 200
01/24/02	13446	2	12504	S	\$32.00	242		12032	7	83.042	1.00740	No. 4
07/11/02	13917	6	16381	S	\$42.00	146992		12622	7	81.314	0.99957	3/8
06/20/02	13362	1	8340	S	\$54.86	138931		2987	3	66.667	0.98713	No. 30
07/11/02	13917	6	16381	S	\$42.82	147010		2039	3	58.043	0.94224	No. 4
01/24/02	13549	6	11306	S	\$34.50	146977		10796	6	35.200	0.65934	1

Totals Grading	: S			Key Siev Count			
	Processes	Total Tons		Quality Level	Pay Factor	1/2" 3/8"	0
	12	111,924	Maximum:	100.000	1.04500	No. 4	2
			Minimum:	35.200	0.65934	No. 8 No. 30	2
			Weighted Average:	86.355	0.98884	No. 200	1

#### Grading: SMA

Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	Key Sieve	
12/05/02	12054		49493	SM	\$48.70	32094-2	1	8508	4	100.000	1.03000	All QLs100	
12/05/02 06/27/02		6	52799		\$42.50	147029	1	19785	9	93.841	1.04000	No. 200	
02/07/02		6	54344		\$49.00	46988-1	1	15000	7	87.615	1.02615	No. 4	
02/07/02		6	54344		\$49.00	46988-2	1	20168	10	85.953	1.01003	No. 200	
12/05/02		1	49493		\$48.70	32094-3	1	23304	12	82.115	0.98609	3/8	

Grading:	SMA
Olumbie.	D171.71

Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix Design	Process No.	Tons	Tests	Quality Level	Pay Factor	Ke: Siev	
Totals	Grading	SM	IA		-				Ovelite	Pau		ey Siev Count	е
		Pro	ocesses	Т	otal Tons				Quality Level	Pay Factor	1/2		0
			5		86,765		Maxim	um:	100.000	1.04000	3/8 No.		1
							Minim	um:	82.115	0.98609	No. No.		0
						Weig	hted Avera	ige:	88.386	1.01518	No.	200	2

#### Grading: SX

Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Mix F Design	Process No.	Tons	Tests	Quality Level	Pay Factor	Key Sieve
11/14/02	12800	5	5149	SX	\$51.00	00RAP1	1	5328	3	100.000	1.02500	All QLs100
03/28/02	13866	3	44476	SX	\$31.80	3702A-2	1	5676	3	100.000	1.02500	All QLs100
03/28/02	13866	3	44476	SX	\$31.35	)0702A3	1	18255	10	99.912	1.04500	All QLs100
03/28/02	13866	3	44476	SX	\$28.62	00702-1	1	18280	10	98.611	1.04500	No. 4
02/28/02	13880	5	39765	SX	\$37.22	600602	1	58169	30	98.350	1.05500	No. 4
03/07/02	13551	3	44617	SX	\$35.70	01502-2	1	39261	20	94.458	1.04361	No. 8
03/28/02	13864	3	47039	SX	\$33.21	01601-2	1	60240	31	91.601	1.02255	No. 8
12/05/02	13513	1	51734	SX	\$27.70	146464	1	52244	27	91.574	1.02439	No. 4
04/25/02	13982	4	50546	SX	\$39.00	50302B	1	44000	22	91.415	1.02580	No. 30
12/12/02	13494	1	17173	SX	\$30.00	36164-1	1	10058	6	89.485	1.03473	No. 8
07/11/02	14046	5	32814	sx	\$32.44	14046C	1	28405	14	85.992	1.00311	No. 8
12/05/02	13854	1	49493	SX	\$36.40	13293-1	1	15787	8	85.153	1.01113	No. 200
12/12/02	13357	6	13793	SX	\$34.00	47008-1	1	7568	5	84.441	1.02414	No. 8
12/12/02	13494	1	17173	SX	\$41.00	136164	1	6787	4	84.157	1.03000	No. 4
02/07/02	13434	1	26077	SX	\$45.25	132090	1	23468	12	83.949	0.99605	No. 8
01/31/02	13435		22813	SX	\$44.78	139201	1	21671	11	81.324	0.98427	No. 8
03/07/02	13551	3	44617	SX	\$35.64	601502	1	6346	3	72.719	1.01109	No. 30
03/07/02	12609	3	18472	SX	\$36.64	55002-2	1	6063	3	58.865	0.94706	No. 4
07/11/02	14046	5	32814	SX	\$32.59	14046B	1	2993	3	58.043	0.94224	3/8
03/07/02	12609	3	18472	SX	\$37.05	55002-1	1	5164	3	54.428	0.91968	No. 4
03/07/02	12609	3	18472	SX	\$40.35	6902-T1	1	7216	4	47.478	0.83225	No. 4

Totals Grading	g: SX			Count			
	Processes	Total Tons		Quality Level	Pay Factor	1/2"	0
						3/8"	1
	21	442,979	Maximum:	100.000	1.05500	No. 4	7
			Minimum:	47.478	0.83225	No. 8	7
						No. 30	2
			Weighted Average:	89.680	1.02058	No. 200	1

## Gradation Totals 1/1/02 to 12/31/02 Plan Quantities from 0 to 200000 tons.

				_	Key Sie Count	
Processes	Total Tons		Quality Level	Pay Factor	1/2"	0
38	641,668	Maximum:	100.000	1.05500	3/8" No. 4	3 10
		Minimum:	35.200	0.65934	No. 8 No. 30	9 4
		Weighted Average:	88.925	1.01431	No. 200	4

## Gradation - Process Information - Recap by Region

Criteria: Projects with Bid Dates from 1/1/02 to 12/31/02.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Weighted average used for: Price, Pay Factor, and Quality Level

Grading: S						Derr		Quality Leve	1
		Processes	Tons	Tests	Price	Pay Factor	Avg.	High	Low
Region	1	2	10,587	7	\$48.15	1.01790	84.009	90.825	66.667
Region	2	5	46,086	24	\$35.06	1.02391	93.628	100.000	83.042
Region	4	1	4,037	3	\$40.70	1.02500	100.000	100.000	100.000
Region	6	4	51,214	29	\$39.45	0.94841	79.219	98.319	35.20
Totals:	S	12	111,924	63	\$38.51	0.98884	86.355	100.000	35.20
Grading: SMA						_		Quality Leve	1
		Processes	Tons	Tests	Price	Pay Factor	Avg.	High	Low
Region	1	2	31,812	16	\$48.70	0.99783	86.898	100.000	82.11
Region	6	3	54,953	26	\$46.66	1.02522	89.247	93.841	85.95
Totals:	SMA	5	86,765	42	\$47.41	1.01518	88.386	100.000	82.11
Grading: SX						D		Quality Leve	ı
		Processes	Tons	Tests	Price	Pay Factor	Avg.	High	Low
Region	1	6	130,015	68	\$35.64	1.01207	87.161	91.574	81.32
Region	3	9	166,501	87	\$33.69	1.01790	89.265	100.000	47.47
Region	4	1	44,000	22	\$39.00	1.02580	91.415	91.415	91.41
Region	5	4	94,895	50	\$36.42	1.03423	93.472	100.000	58.04
Region	6	1	7,568	5	\$34.00	1.02414	84.441	84.441	84.44
Totals:	SX	21	442,979	232	\$35.38	1.02058	89.680	100.000	47.47
Statewide Totals						Devi	(	Quality Level	
		Processes	Tons	Tests	Price	Pay Factor	Avg.	High	Low
		38	641,668	337	\$37.55	1.01431	88.925	100.000	35.20

## Gradation - Standard Deviation Information

Criteria: Projects with Bid Dates from 1/1/02 to 12/31/02.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

01/24/02 134 01/24/02 135 02/07/02 135 03/14/02 125 05/30/02 135 06/20/02 135 06/20/02 136 07/11/02 136 07/11/02 136  Total	3446 3479 3549 3352 2548 3507 3959 3362 3733 4002 3917 3917		12504 17036 11306 54344 8404 5634 7952 8340 11507 13794 16381 16381	S S S S S S S S	\$32.00 \$32.35 \$34.50 \$40.00 \$45.51 \$40.70 \$54.86 \$31.65 \$36.52 \$42.00 \$42.82	Tons  12032 5970 10796 25757 6420 7600 4037 2987 8724 12940 12622 2039	7 3 6 13 4 4 3 3 7 7 3	No. 4 QLs100  1 No. 8 No. 200 No. 30 QLs100 No. 30 QLs100 No. 8 3/8 No. 4  Max. Min.	3/4"  0.800 0.000 1.000 0.000 0.000 2.400 0.000 1.000 0.000 0.800 0.000 0.600  3/4" 2.400 0.000	1/2"  2.000 1.700 3.700 1.700 2.200 4.000 2.100 2.600 1.700 1.800 3.800 2.500  1/2" 4.000 1.700	1.200 3.000 1.600 2.200 3.400 1.500 1.500 1.800 4.700 3.200 3/8" 4.700 1.200		No. 8 1.900 1.000 3.400 1.800 0.500 2.800 1.500 1.200 1.200 1.500 No. 8 3.400 0.500	No. 30  1.000 1.000 2.200 1.100 0.800 0.800 1.200 0.600 1.000 0.700 1.600 0.600  No. 30 2.200 0.600 1.136	0.910 0.830 0.322 1.070 0.260 0.211 0.360 0.560 0.370 0.200 No. 200
01/24/02 134 01/24/02 139 02/07/02 139 03/14/02 129 05/30/02 139 06/20/02 139 06/20/02 139 06/27/02 140 07/11/02 139 07/11/02 139 Total	3479 3549 3352 2548 3507 3959 3362 3733 4002 3917 3917 N	2 6 6 2 1 4 1 2 6 6	17036 11306 54344 8404 5634 7952 8340 11507 13794 16381 16381	S S S S S S S S	\$32.35 \$34.50 \$40.00 \$45.51 \$40.70 \$54.86 \$31.65 \$36.52 \$42.00 \$42.82	5970 10796 25757 6420 7600 4037 2987 8724 12940 12622 2039	3 6 13 4 4 3 3 7 7 3	QLs100 1 No. 8 No. 200 No. 30 QLs100 No. 8 3/8 No. 4 Max. Min.	0.000 1.000 0.000 0.000 2.400 0.000 1.000 0.800 0.600 3/4" 2.400 0.000	1.700 3.700 1.700 2.200 4.000 2.100 2.600 1.700 1.800 2.500 1/2" 4.000 1.700	1.200 3.000 1.600 2.200 3.400 1.500 1.500 1.800 4.700 3.200 3/8" 4.700 1.200	1.500 3.700 2.000 0.800 2.900 1.700 1.200 0.600 2.000 3.400 2.300 No. 4 3.700 0.600	1.000 3.400 1.800 0.500 2.800 1.500 1.200 1.900 2.100 1.500 <b>No. 8</b> 3.400 0.500	1.000 2.200 1.100 0.800 0.800 1.200 0.600 1.000 0.700 1.600 0.600 No. 30 2.200 0.600	0.830 0.320 1.070 0.260 0.210 0.360 0.560 0.370 0.200 No. 200
01/24/02 13: 02/07/02 13: 03/14/02 12: 05/30/02 13: 05/30/02 13: 06/20/02 13: 06/20/02 13: 06/27/02 14: 07/11/02 13:  Tota  Grading S  Bid Date Sub	3549 3352 2548 3507 3959 3362 3733 4002 3917 <i>tals G</i>	6 6 2 1 4 1 2 2 6 6	11306 54344 8404 5634 7952 8340 11507 13794 16381 16381	S S S S S S S S	\$34.50 \$40.00 \$45.00 \$45.51 \$40.70 \$54.86 \$31.65 \$36.52 \$42.00 \$42.82	10796 25757 6420 7600 4037 2987 8724 12940 12622 2039	6 13 4 4 3 3 7 7 7 3	1 No. 8 No. 200 No. 30 QLs100 No. 30 QLs100 No. 8 3/8 No. 4	1.000 0.000 0.000 2.400 0.000 1.000 0.000 0.800 0.000 0.600 3/4" 2.400 0.000	3.700 1.700 2.200 4.000 2.100 2.600 1.700 1.800 3.800 2.500 1/2" 4.000 1.700	3.000 1.600 2.200 3.400 1.500 1.500 1.800 4.700 3.200 3/8" 4.700 1.200	3.700 2.000 0.800 2.900 1.700 1.200 0.600 2.000 3.400 2.300 No. 4 3.700 0.600	3.400 1.800 0.500 2.800 1.500 1.200 1.200 2.100 1.500 <b>No. 8</b> 3.400 0.500	2.200 1.100 0.800 0.800 1.200 0.600 1.000 0.700 1.600 0.600  No. 30 2.200 0.600	0.320 1.070 0.260 0.210 0.360 0.690 0.560 0.370 0.200 No. 200
02/07/02 133 03/14/02 129 05/30/02 133 05/30/02 133 06/20/02 133 06/27/02 144 07/11/02 133 07/11/02 133  Total	3352 2548 3507 3959 3362 3733 4002 3917 3917	6 2 1 4 1 2 2 6 6	54344 8404 5634 7952 8340 11507 13794 16381 16381	S S S S S S S	\$40.00 \$45.00 \$45.51 \$40.70 \$54.86 \$31.65 \$36.52 \$42.00 \$42.82	25757 6420 7600 4037 2987 8724 12940 12622 2039	13 4 4 3 3 3 7 7 3	No. 8 No. 200 No. 30 QLs100 No. 30 QLs100 No. 8 3/8 No. 4	0.000 0.000 2.400 0.000 1.000 0.800 0.000 0.600 3/4" 2.400 0.000	1.700 2.200 4.000 2.100 2.600 1.700 1.800 3.800 2.500 1/2" 4.000 1.700	1.600 2.200 3.400 1.500 1.500 1.800 4.700 3.200 3/8" 4.700 1.200	2.000 0.800 2.900 1.700 1.200 0.600 2.000 3.400 2.300 No. 4 3.700 0.600	1.800 0.500 2.800 1.500 1.200 1.200 1.900 2.100 1.500 <b>No. 8</b> 3.400 0.500	1.100 0.800 0.800 1.200 0.600 1.000 0.700 1.600 0.600 No. 30 2.200 0.600	1.070 0.260 0.210 0.360 0.690 0.560 0.370 0.200 No. 200
03/14/02 129 05/30/02 139 05/30/02 139 06/20/02 139 06/20/02 139 06/27/02 140 07/11/02 139 07/11/02 139  Total  Grading S  Bid Date Sub	2548 3507 3959 3362 3733 4002 3917 3917 <i>tals G</i>	2 1 4 1 2 2 6 6	8404 5634 7952 8340 11507 13794 16381 16381	S S S S S S S S S	\$45.00 \$45.51 \$40.70 \$54.86 \$31.65 \$36.52 \$42.00 \$42.82	6420 7600 4037 2987 8724 12940 12622 2039	4 4 3 3 3 7 7 3	No. 200 No. 30 QLs100 No. 30 QLs100 No. 8 3/8 No. 4	0.000 2.400 0.000 1.000 0.800 0.000 0.600 3/4" 2.400 0.000	2.200 4.000 2.100 2.600 1.700 1.800 3.800 2.500 1/2" 4.000 1.700	2.200 3.400 1.500 1.500 1.500 1.800 4.700 3.200 3/8" 4.700 1.200	0.800 2.900 1.700 1.200 0.600 2.000 3.400 2.300 No. 4 3.700 0.600	0.500 2.800 1.500 1.000 1.200 1.900 2.100 1.500 No. 8 3.400 0.500	0.800 0.800 1.200 0.600 1.000 0.700 1.600 0.600 No. 30 2.200 0.600	0.320 1.070 0.260 0.210 0.360 0.560 0.370 0.200 No. 200 1.070 0.200
05/30/02 13: 05/30/02 13: 06/20/02 13: 06/20/02 13: 06/27/02 14: 07/11/02 13: 07/11/02 13:  Tota  Grading S  Bid Date Sub	3507 3959 3362 3733 4002 3917 3917 tals G	1 4 1 2 2 6 6	5634 7952 8340 11507 13794 16381 16381 <b>1g: S</b>	S S S S S S	\$45.51 \$40.70 \$54.86 \$31.65 \$36.52 \$42.00 \$42.82	7600 4037 2987 8724 12940 12622 2039	4 3 3 7 7 3	No. 30 QLs100 No. 30 QLs100 No. 8 3/8 No. 4 Max. Min.	2.400 0.000 1.000 0.000 0.800 0.000 0.600 3/4" 2.400 0.000	4.000 2.100 2.600 1.700 1.800 3.800 2.500 1/2" 4.000 1.700	3.400 1.500 1.500 1.500 1.800 4.700 3.200 3/8" 4.700 1.200	2.900 1.700 1.200 0.600 2.000 3.400 2.300 No. 4 3.700 0.600	2.800 1.500 1.000 1.200 1.900 2.100 1.500 <b>No. 8</b> 3.400 0.500	0.800 1.200 0.600 1.000 0.700 1.600 0.600 No. 30 2.200 0.600	0.260 0.210 0.360 0.690 0.560 0.370 0.200 <b>No. 200</b>
05/30/02 139 06/20/02 133 06/20/02 139 06/27/02 149 07/11/02 139 07/11/02 139  Total  Grading S  Bid Date Sub	3959 3362 3733 4002 3917 3917 <i>tals G</i>	4 1 2 2 6 6	7952 8340 11507 13794 16381 16381	S S S S S	\$40.70 \$54.86 \$31.65 \$36.52 \$42.00 \$42.82	4037 2987 8724 12940 12622 2039	3 3 3 7 7 3	QLs100 No. 30 QLs100 No. 8 3/8 No. 4 Max. Min.	0.000 1.000 0.000 0.800 0.000 0.600 3/4" 2.400 0.000	2.100 2.600 1.700 1.800 3.800 2.500 1/2" 4.000 1.700	1.500 1.500 1.500 1.800 4.700 3.200 3/8" 4.700 1.200	1.700 1.200 0.600 2.000 3.400 2.300 No. 4 3.700 0.600	1.500 1.000 1.200 1.900 2.100 1.500 No. 8 3.400 0.500	1.200 0.600 1.000 0.700 1.600 0.600 No. 30 2.200 0.600	0.210 0.360 0.690 0.560 0.370 0.200 No. 200
06/20/02 13: 06/20/02 13: 06/27/02 14: 07/11/02 13: 07/11/02 13:  Tota  Grading S  Bid Date Sub	3362 3733 4002 3917 3917 <i>tals G</i>	1 2 2 6 6	8340 11507 13794 16381 16381 16381	S S S S	\$54.86 \$31.65 \$36.52 \$42.00 \$42.82	2987 8724 12940 12622 2039	3 3 7 7 3	No. 30 QLs100 No. 8 3/8 No. 4 Max. Min.	1.000 0.000 0.800 0.000 0.600 3/4" 2.400 0.000	2.600 1.700 1.800 3.800 2.500 1/2" 4.000 1.700	1.500 1.500 1.800 4.700 3.200 3/8" 4.700 1.200	1.200 0.600 2.000 3.400 2.300 No. 4 3.700 0.600	1.000 1.200 1.900 2.100 1.500 No. 8 3.400 0.500	0.600 1.000 0.700 1.600 0.600 No. 30 2.200 0.600	0.360 0.690 0.560 0.370 0.200 No. 200
06/20/02 13: 06/27/02 14: 07/11/02 13: 07/11/02 13:  Tota  Grading S  Bid Date Sub	3733 4002 3917 3917 tals G	2 2 6 6	11507 13794 16381 16381 1g: S	S S S	\$31.65 \$36.52 \$42.00 \$42.82	8724 12940 12622 2039	3 7 7 3	QLs100 No. 8 3/8 No. 4 Max.	0.000 0.800 0.000 0.600 3/4" 2.400 0.000	1.700 1.800 3.800 2.500 1/2" 4.000 1.700	1.500 1.800 4.700 3.200 3/8" 4.700 1.200	0.600 2.000 3.400 2.300 No. 4 3.700 0.600	1.200 1.900 2.100 1.500 No. 8 3.400 0.500	1.000 0.700 1.600 0.600 No. 30 2.200 0.600	0.690 0.560 0.370 0.200 <b>No. 200</b>
06/27/02 14/ 07/11/02 13: 07/11/02 13: <i>Total</i> Grading S  Bid Date Sub	4002 3917 3917 <i>tals G</i>	2 6 6 Fradin	13794 16381 16381 16381 1g: S	S S S esses:	\$36.52 \$42.00 \$42.82	12940 12622 2039	7 7 3	No. 8 3/8 No. 4 Max. Min.	0.800 0.000 0.600 3/4" 2.400 0.000	1.800 3.800 2.500 1/2" 4.000 1.700	1.800 4.700 3.200 3/8" 4.700 1.200	2.000 3.400 2.300 No. 4 3.700 0.600	1.900 2.100 1.500 No. 8 3.400 0.500	0.700 1.600 0.600 No. 30 2.200 0.600	0.560 0.370 0.200 No. 200 1.070
07/11/02 13: 07/11/02 13:  Tota  Grading S  Bid Date Sub  02/07/02 13	3917 3917 <i>tals G</i>	6 6 Fradin	16381 16381 <i>1g: S</i>	S S esses:	\$42.00 \$42.82	12622 2039	7 3	3/8 No. 4 Max. Min.	0.000 0.600 3/4" 2.400 0.000	3.800 2.500 1/2" 4.000 1.700	4.700 3.200 3/8" 4.700 1.200	3.400 2.300 <b>No.</b> 4 3.700 0.600	2.100 1.500 No. 8 3.400 0.500	1.600 0.600 No. 30 2.200 0.600	0.370 0.200 <b>No. 200</b> 1.070
707/11/02 139  Total  Grading S  Bid Date Sub  02/07/02 13	3917  tals G	6 Fradin	16381  ng: S  r of Proc	S esses:	\$42.82 12	2039	3	Max. Min.	0.600 3/4" 2.400 0.000	2.500 1/2" 4.000 1.700	3/8" 4.700 1.200	2.300 No. 4 3.700 0.600	1.500 No. 8 3.400 0.500	0.600 No. 30 2.200 0.600	0.200 <b>No. 200</b> 1.070
Grading S Bid Date Sub	n	radin	ng: S	esses:	12			Max. Min.	3/ <b>4"</b> 2.400 0.000	1/2" 4.000 1.700	3/8" 4.700 1.200	No. 4 3.700 0.600	No. 8 3.400 0.500	No. 30 2.200 0.600	<b>No. 200</b>
<b>Grading S</b> Bid Date Sub  02/07/02 13	N		r of Proc			Weig	hted A	Min.	2.400 0.000	4.000 1.700	4.700 1.200	3.700 0.600	3.400 0.500	2.200 0.600	1.070
<b>Grading S</b> Bid Date Sub  02/07/02 13	N		r of Proc			Weig	hted A	Min.	2.400 0.000	4.000 1.700	4.700 1.200	3.700 0.600	3.400 0.500	2.200 0.600	1.070
Bid Date Sub		lumber				Weig	hted A	Min.	0.000	1.700	1.200	0.600	0.500	0.600	
Bid Date Sub			Total	Tons:	111,924	Weigi	hted A								0.200
Bid Date Sub						Weigi	hted A	verage:	0.476		2 244	2 205	1.877	1.136	
Bid Date Sub									0.476	2.411	2.344	2.200			
Bid Date Sub						Ke	y Sieve	e Count		0		2	2	2	1
02/07/02 13	<i>SMA</i>		43.19									· ·			,
	bacct.	Reg.	Plan Quant.	Grading	Price	Tons	Tests	Key Sieve	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
	3352	6	54344	SM	\$49.00	15000	7	No. 4		1.700	1.700	3.000	2.300	1.300	1.330
	3352	6	54344	SM	\$49.00	20168	10	No. 200		1.900	2.400	2.000	1.200	0.700	0.70
06/27/02 13	3066	6	52799		\$42.50	19785	9	No. 200		1.700	2.800	2.600	1.700	1.700	0.860
	3854	1	49493		\$48.70	8508	4	QLs100		1.400	2.400	1.800	1.400	0.800	0.63
	3854	1	49493		\$48.70	23304	12	3/8		3.400	3.500	2.400	1.800	1.000	0.63
Total	tals G	Fradir	ng: SM	1A					3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
		dumba	r of Proc	DECES.	5			Max.		3.400	3.500	3.000	2.300	1.700	1.330
	N	•uiiibe		Tons:	86,765			Min.				1.800		0.700	0.63
			10141		,	Wain	hted A	verage:				2.398		1.122	
						weig	nteu A	verage:		2.114	2.000	2.000			

Gradin	g SX								_						
Bid Date	Subacct.	Reg.	Plan Quant.	Grading	Price	Tons	Tests	Key Sieve	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
01/31/02	13435	1	22813	sx	\$44.78	21671	11	No. 8		1.400	2.600	2.600	3.800	1.800	0.66
02/07/02	13434	1	26077	SX	\$45.25	23468	12	No. 8		1.000	1.900	3.400	3.600	2.000	0.40
02/28/02	13880	5	39765	SX	\$37.22	58169	30	No. 4		0.800	2.300	2.200	2.100	1.200	0.38
03/07/02	12609	3	18472	SX	\$37.05	5164	3	No. 4		2.000	1.200	2.100	2.500	0.600	0.74
03/07/02	12609	3	18472	SX	\$36.64	6063	3	No. 4		1.500	1.700	5.500	4.600	2.300	0.87
03/07/02	12609	3	18472	SX	\$40.35	7216	4	No. 4		1.600	1.900	3.300	3.200	1.900	0.71
03/07/02	13551	3	44617	SX	\$35.64	6346	3	No. 30		1.200	2.600	2.500	3.100	2.600	0.44
03/07/02	13551	3	44617	SX	\$35.70	39261	20	No. 8		1.000	2.000	2.600	2.600	1.700	0.650
03/28/02	13864	3	47039	SX	\$33.21	60240	31	No. 8		0.600	2.000	2.500	2.100	1.200	0.680
03/28/02	13866	3	44476	SX	\$28.62	18280	10	No. 4		0.300	1.300	1.800	1.300	0.800	0.40
03/28/02	13866	3	44476	SX	\$31.80	5676	3	QLs100		0.000	1.000	1.000	2.000	0.600	0.00
03/28/02	13866	3	44476	sx	\$31.35	18255	10	QLs100		0.000	1.700	1.900	1.600	0.900	0.35
04/25/02	13982	4	50546	SX	\$39.00	44000	22	No. 30		0.800	1.700	2.900	2.400	1.400	0.730
07/11/02	14046	5	32814	sx	\$32.59	2993	3	3/8		0.600	2.300	3.000	1.500	1.200	0.64
07/11/02	14046	5	32814	sx	\$32.44	28405	14	No. 8		2.000	3.500	3.300	3.300	1.900	0.53
11/14/02	12800	5	5149	SX	\$51.00	5328	3	QLs100		0.600	1.500	0.600	1.500	2.000	0.360
12/05/02	13513	1	51734	sx	\$27.70	52244	27	No. 4		1.100	1.900	2.100	2.000	1.500	0.440
12/05/02	13854	1	49493	sx	\$36.40	15787	8	No. 200		0.400	2.200	2.500	2.200	1.200	0.240
12/12/02	13357	6	13793	SX	\$34.00	7568	5	No. 8		1.300	1.800	2.100	3.100	1.600	1.190
12/12/02	13494	1	17173	sx	\$41.00	6787	4	No. 4		1.000	2.100	1.700	1.300	1.300	0.580
12/12/02	13494	1	17173	SX	\$30.00	10058	6	No. 8		1.300	1.200	1.800	2.700	1.500	0.530
	Totals G	Fradi	ng: SX						3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
									3/4	2.000					
	,	Numbe	r of Proc		21			Max.			3.500			2.600	1.190
			Total	Tons:	442,979			Min.		0.000	1.000	0.600	1.300	0.600	0.000
						Weig	hted A	verage:		0.926	2.041	2.488	2.429	1.444	0.540
						Ke	y Sieve	Count		0	1	7	7	2	
Gradat	ion Tota	ls		1/1/02 to	12/31/0	02 Plan	Quan	tities fro	m 0 to	200000	tons.				
									3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
		lumbe	r of Proc	esses.	38			Max.	2.400		4.700		4.600	2.600	1.330
		1011106			641,668			Min.	0.000		1.000		0.500	0.600	0.000
						Weight	ed Ave	rage:		1.354	2.178	2.426	2.232	.347	0.572

3

9

4

4

**Key Sieve Count** 

## Gradation - Standard Deviation - Recap by Region

Criteria: Projects with Bid Dates from 1/1/02 to 12/31/02.

Projects with Plan Quantities from 0 to 200000 tons.

Processes with less than 3 tests not included.

Grading: S								Weight	ed Averaç	ge		
		Processes	Tons	Tests	Price	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
Region	n 1	2	10,587	7	\$48.15	2.005	3.605	2.864	2.420	2.292	0.744	0.288
Region	n 2	5	46,086	24	\$35.06	0.433	1.876	1.878	1.634	1.456	0.888	0.667
Region	n 4		4,037	3	\$40.70	0.000	2.100	1.500	1.700	1.500	1.200	0.210
Region	n 6	4	51,214	29	\$39.45	0.235	2.671	2.723	2.715	2.199	1.435	0.435
Totals	S	12	111,924	63	\$38.51	0.476	2.411	2.344	2.205	1.877	1.136	0.509
Grading: Sl	MA							Weight	ed Averaç	ge		
		Processes	Tons	Tests	Price	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
Regio	n 1	2	31,812	16	\$48.70		2.865	3.206	2.240	1.693	0.947	0.630
Regio	n 6	3	54,953	26	\$46.66		1.773	2.353	2.489	1.680	1.224	0.930
Totals	SMA	5	86,765	42	\$47.41		2.174	2.666	2.398	1.685	1.122	0.820
Grading: S2	Y			,				Weight	ed Avera	ge		
0		Processes	Tons	Tests	Price	3/4"	1/2"	3/8"	No. 4	No. 8	No. 30	No. 200
Regio	n 1	6	130,015	68	\$35.64		1.057	2.009	2.422	2.631	1.593	0.459
Regio	n 3	9	166,501	87	\$33.69		0.718	1.839	2.461	2.261	1.326	0.584
Regio	n 4		44,000	22	\$39.00		0.800	1.700	2.900	2.400	1.400	0.73
Regio	n 5	4	94,895	50	\$36.42		1.142	2.614	2.465	2.407	1.454	0.432
Regio	n 6		7,568	5	\$34.00		1.300	1.800	2.100	3.100	1.600	1.190
Totals	SX	21	442,979	232	\$35.38		0.926	2.041	2.488	2.429	1,444	0.54
Statewide T	otals							Weight	ted Avera	ge		
		Processes 38	<b>Tons</b> 641,668	Tests 337	Price \$37.55	3/4"	<b>1/2"</b> 1.354	3/8" 2.178	No. 4 2.426	No. 8 2.232	No. 30 1.347	No. 200

## Appendix E

Revision to Sections 105 & 106, Quality of Hot Bituminous Pavement

### 1

## REVISION OF SECTIONS 105 AND 106 QUALITY OF HOT BITUMINOUS PAVEMENT

Sections 105 and 106 of the Standard Specifications are hereby revised for this project as follows:

Subsection 105.03 shall include the following:

Conformity to the Contract of all Hot Bituminous Pavement, Item 403, except Hot Bituminous Pavement (Patching) and temporary pavement will be determined by tests and evaluations of asphalt content, gradation and in-place density in accordance with the following:

All work performed and all materials furnished shall conform to the lines, grades, cross sections, dimensions, and material requirements, including tolerances, shown in the Contract.

For those items of work where working tolerances are not specified, the Contractor shall perform the work in a manner consistent with reasonable and customary manufacturing and construction practices.

When the Engineer finds the materials or work furnished, work performed, or the finished product are not in conformity with the Contract and has resulted in an inferior or unsatisfactory product, the work or material shall be removed and replaced or otherwise corrected at the expense of the Contractor.

Materials will be sampled randomly and tested by the Department in accordance with Section 106 and with the applicable procedures contained in the Department's Field Materials Manual. The approximate maximum quantity represented by each sample will be as set forth in Section 106. Additional samples may be selected and tested as set forth in Section 106 at the Engineer's discretion.

A process will consist of a series of values resulting from tests of the Contractor's work and materials. Each process will consist of one or more test results. All materials produced will be assigned to a process. A process normally will include all materials produced prior to a change in the job mix formula (CDOT form 43). The Engineer will establish a new process when job mix formula changes occur. The Engineer may separate a process in order to accommodate small quantities or unusual variations.

Evaluation of materials for pay factors (PF) will be done using only the Department's acceptance test results. Each process will have a PF computed in accordance with the requirements of this Section. Test results determined to have sampling or testing errors will not be used.

Any test result for an element greater than the distance 2 x V (see Table 105-2) outside the tolerance limits will be designated as a separate process and the pay factor will be calculated in accordance with subsection 105.03(a). A pay factor less than zero shall be zero. The calculated PF will be used to determine PF<sub>A</sub> for the element in accordance with subsection 105.03(e).

In the case of in-place density, the Contractor will be allowed to core the exact location of a test result more than 2 x V outside the tolerance limit. The core must be taken and furnished to the Engineer within eight hours after notification by the Engineer of the test result. The result of this core will be used in lieu of the previous test result. Cores not taken within eight hours after notification will not be used in lieu of the test result. All costs associated with coring will be at the Contractor's expense.

(a) Representing Small Quantities. When it is necessary to represent a process by only one or two test results, PF will be the average of PFs resulting from the following:

If the test result is within the tolerance limits then PF = 1.00

If the test result is above the maximum specified limit, then

$$PF = 1.00 - [0.25(T_O - T_U)N]$$

If the test result is below the minimum specified limit, then

$$PF = 1.00 - [0.25(T_1 - T_0)N]$$

Where: PF = pay factor.

V = V factor from Table 105-2.

 $T_{O}$  = the individual test result.

T<sub>11</sub> = upper specification limit.

 $T_1$  = lower specification limit.

The calculated PF will be used to determine PFA for the element in accordance with subsection 105.03(e).

- (b) Determining Quality Level. Each process with three or more test results will be evaluated for a quality level (QL) in accordance with Colorado Procedure 71.
- (c) Gradation Element. Each specified sieve will be evaluated for QL separately. The lowest QL for any specified sieve will be designated as the QL for gradation element for the process.
- (d) Element Pay Factor. Using QL, compute PF, as follows: The final number of random samples (Pn) in each process will determine the final pay factor for each element. As test values are accumulated, Pn will change accordingly. When the process has been completed, the number of random samples it contains will determine the computation of PF, based on Table 105-3 and formula (1) below. When Pn is from 3 to 9, or greater than 200, PF will be computed using the formulas designated in Table 105-3. Where Pn is equal to or greater than 10 and less than 201, PF will be computed by formula (1):

(1) 
$$PF = \frac{(PF_1 + PF_2)}{2} + \left[ \frac{(PF_2 + PF_3)}{2} - \frac{(PF_1 + PF_2)}{2} \right] \frac{(Pn_2 - Pn_X)}{(Pn_2 - Pn_3)}$$

Where, when referring to Table 105-3:

PF<sub>1</sub>= PF determined at the next lowest Pn formula using process QL

PF<sub>2</sub>= PF determined using the Pn formula shown for the process QL

PF<sub>3</sub>= PF determined at the next highest Pn formula using process QL

the lowest Pn in the spread of values listed for the process Pn formula Pn<sub>2</sub>=

the lowest Pn in the spread of values listed for the next highest Pn formula Pn<sub>3</sub>=

the actual number of test values in the process

When evaluating the item of Furnish Hot Bituminous Pavement, the PF for the element of In-Place Density shall be 1.0.

Regardless of QL, the maximum PF in relation to Pn is limited in accordance with Table 105-3.

(e) Element Average Pay Factor. A pay factor will be determined for all material or work represented by the elements listed in Table 105-2. For the pay estimates, each individual element will have the average pay factor (PFA), weighted by the quantities, computed as follows:

$$\mathsf{PF}_{\mathsf{A}} = \frac{\left[\mathsf{M}_{1}\left(\mathsf{PF}_{1}\right) + \mathsf{M}_{2}\left(\mathsf{PF}_{2}\right) + \mathsf{M}_{j}\left(\mathsf{PF}_{j}\right)\right]}{\Sigma\mathsf{M}}$$

Where:  $M_j$  = Quantity of item represented by the process.  $Pf_j$  = The process pay factor.

 $\Sigma M = Sum of Quantities, M<sub>1</sub> to M<sub>j</sub> (the total quantity).$ 

(f) Composite Pay Factor. When there is more than one element for the item, determine the composite pay factor ( $PF_C$ ) as follows ( $\Sigma M$  used to compute each element  $PF_A$  must be numerically the same):

$$PF_{C} = \frac{[W_{1} (PF_{A1}) + W_{2} (PF_{A2}) + ...W_{j} (PF_{Aj})]}{\Sigma W}$$

Where: W = element factor from Table 105-2.

 $PF_{Aj}$  = element average pay factor.  $\Sigma W$  = sum of the element factors.

As test results become available, they will be used to calculate accumulated QL and PF numbers for each element and for the item. The test results and the accumulated calculations will be made available to the Contractor upon request.

Numbers from the calculations will be carried to significant figures and rounded according to AASHTO Standard Recommended Practice R-11, Rounding Method.

(g) Evaluation of Work. When the PF of a process is 0.75 or greater, the finished quantity of work represented by the process will be accepted at the appropriate pay factor. If PF is less than 0.75, the Engineer may:

Require complete removal and replacement with specification material at no additional cost to the Department; or

2. Where the finished product is found to be capable of performing the intended purpose and the value of the finished product is not affected, permit the Contractor to leave the material in place.

If the material is permitted to remain in place, the PF for the process will not be greater than 0.75. When condition red, as described in Section 106, exists for any element, resolution and correction will be in accordance with Section 106. Material which the Engineer determines is defective may be isolated and rejected without regard to sampling sequence or location within a process.

Table 105-2
"W" and "V" Factors For Various Elements

HOT BITUMINOUS PA	VEMENT	
ELEMENT	V FACTOR	WFACTOR
2.36 mm (No. 8) mesh and larger sieves	2.80	N/A
600 μm (No. 30) mesh sieve	1.80	N/A
75 μm (No. 200) mesh sieve	0.80	N/A
Gradation	N/A	20
Asphalt Content	0.20	30
In-place Density	1.10	50

## TABLE 105-3 Formulas For Calculating PF Based on Pn

Pn	When Pn as shown at left is 3 to 9, or greater than 200, use designated formula below to calculate Pay Factor, PF =, when Pn is 10 to 200, use formula (1) above:	Maximum PF
3	0.31177 + 1.57878 (QL/100) - 0.84862 (QL/100) <sup>2</sup>	1.025
4	0.27890 + 1.51471 (QL/100) - 0.73553 (QL/100) <sup>2</sup>	1.030
5	0.25529 + 1.48268 (QL/100) - 0.67759 (QL/100) <sup>2</sup>	1.030
6	0.19468 + 1.56729 (QL/100) - 0.70239 (QL/100) <sup>2</sup>	1.035
7	0.16709 + 1.58245 (QL/100) - 0.68705 (QL/100) <sup>2</sup>	1.035
8	0.16394 + 1.55070 (QL/100) - 0.65270 (QL/100) <sup>2</sup>	1.040
9	0.11412 + 1.63532 (QL/100) - 0.68786 (QL/100) <sup>2</sup>	1.040
10 to 11	0.15344 +1.50104 (QL/100) - 0.58896 (QL/100) <sup>2</sup>	1.045
12 to 14	0.07278 + 1.64285 (QL/100) - 0.65033 (QL/100) <sup>2</sup>	1.045
15 to 18	0.07826 + 1.55649 (QL/100) - 0.56616 (QL/100) <sup>2</sup>	1.050
19 to 25	0.09907 + 1.43088 (QL/100) - 0.45550 (QL/100) <sup>2</sup>	1.050
26 to 37	0.07373 + 1.41851 (QL/100) - 0.41777 (QL/100) <sup>2</sup>	1.055
<b>38 to 6</b> 9	0.10586 + 1.26473 (QL/100) - 0.29660 (QL/100) <sup>2</sup>	1.055
70 to 200	0.21611 + 0.86111 (QL/100)	1.060
≥ 201	0.15221 + 0.92171 (QL/100)	1.060

(h) Computation of Incentive/Disincentive Payment (I/DP). Compute the I/DP for the process:

 $I/DP = (PF - 1)(Ton_{HBP})(UP_{HBP})$ 

When AC is not paid for separately

 $I/DP = (PF - 1)(Ton_{HBP})(UP_{HBP}) + (PF - 1)(Ton_{AC})(UP_{AC})$ 

When AC is paid for separately

Where: I/DP = Incentive/Disincentive Payment

PF = Pay Factor

Ton<sub>HBP</sub> = Tons of Asphalt Mix

UP<sub>HBP</sub> = Unit Price of Asphalt Mix

Ton<sub>AC</sub> = Tons of Asphalt Cement

UP<sub>AC</sub> = Unit Price of Asphalt Cement

Subsection 106.03 shall include the following:

All Hot Bituminous Pavement, Item 403, except Hot Bituminous Pavement (Patching) and temporary pavement shall be tested in accordance with the following program of process control testing and acceptance testing:

(a) Process Control Testing. The Contractor shall be responsible for process control testing on all elements listed in Table 106-1. Process control testing shall be performed at the expense of the Contractor. The Contractor shall develop a quality control plan (QCP) in accordance with the following:

Quality Control Plan. For each element listed in Table 106-1, the QCP must provide adequate details to ensure that the Contractor will perform process control. The Contractor shall submit the QCP to the Engineer at the preconstruction conference. The Contractor shall not start any work on the project until the Engineer has approved the QCP in writing.

- A. Frequency of Tests or Measurements. The QCP shall indicate a random sampling frequency, which shall not be less than that shown in Table 106-1. The process control tests shall be independent of acceptance tests.
- B. Test Result Chart. Each process control test result, the appropriate tonnage and the tolerance limits shall be plotted. For in-place density tests, only results after final compaction shall be shown. The chart shall be posted daily at a location convenient for viewing by the Engineer.
- C. Quality Level Chart. The Quality Level (QL) for each element in Table 106-1 and each required sieve size shall be plotted. The QL will be calculated in accordance with the procedure in CP 71 for Determining Quality Level (QL). The QL will be calculated on tests 1 through 3, then tests 1 through 4, then tests 1 through 5, then thereafter the last five consecutive test results. The tonnage of material represented by the last test result shall correspond to the QL. For in-place density tests, only results after final compaction shall be shown. The chart shall be posted daily at a location convenient for viewing by the Engineer.
- 2. Elements Not Conforming to Process Control. The QL of each discrete group of five test results, beginning with the first group of five test results, shall be a standard for evaluating material not conforming to process control. When the group QL is below 65, the process shall be considered as not conforming to the QCP. In this case, the Contractor shall take immediate action to bring the process back into control. Except where the cause of the problem is readily apparent and corrected without delay, production shall be suspended until the source of the problem is determined and corrected. A written explanation of actions taken to correct control problems shall accompany the test data and be submitted to the Engineer on the day the actions are taken.
- 3. Point of Sampling. The material for process control testing shall be sampled by the Contractor using approved procedures. Acceptable procedures are Colorado Procedures, AASHTO and ASTM. The order of precedence is Colorado Procedures, AASHTO procedures and then ASTM procedures. The location where material samples will be taken shall be indicated in the QCP.
- 4. Testing Standards. The QCP shall indicate which testing standards will be followed. Acceptable standards are Colorado Procedures, AASHTO and ASTM. The order of precedence is Colorado Procedures, AASHTO procedures and then ASTM procedures.
- 5. Testing Supervisor Qualifications. The person responsible for the process control sampling and testing shall be identified in the QCP and be qualified according to the requirements of CP 10
- 6. Technician Qualifications. Technicians taking samples and performing tests must be qualified according to the requirements of CP 10.
- 7. Testing Equipment. All of the testing equipment used to conduct process control testing shall conform to the standards specified in the test procedures and be in good working order. Nuclear testing devices used for process control testing of in-place density do not have to be calibrated on the Department's calibration blocks.
- 8. Reporting and Record Keeping. The Contractor shall report the results of the process control tests to the Engineer in writing at least once per day. The Contractor shall make provisions such that the Engineer can inspect process control work in progress, including sampling, testing, plants, and the Contractor's testing facilities at any time.
- (b) Acceptance Testing. Acceptance testing is the responsibility of the Department and shall not be addressed in the QCP. The Department will determine the locations where samples or measurements are to be taken and as designated in Section 403. The maximum quantity of material represented by

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each test result and the minimum number of test results will be in accordance with Table 106-1. The location or time of sampling will be based on a stratified random procedure as described in CP 75. Acceptance sampling and testing procedures will be in accordance with the Schedule for Minimum Materials Sampling, Testing and Inspection in the Department's Field Materials Manual. Samples for project acceptance testing shall be taken by the Contractor in accordance with the designated method. The samples shall be taken in the presence of the Engineer. Where appropriate, the Contractor shall reduce each sample to the size designated by the Engineer. The Contractor may retain a split of each sample which cannot be included as part of the QCP.

All materials being used are subject to inspection and testing at any time prior to, during, or after incorporation into work. Acceptance tests will be made by and at the expense of the Department, except when otherwise provided.

(c) Check Testing Program. Prior to, or in conjunction with, placing the first 500 metric tons (500 tons) of asphalt pavement, under the direction of the Engineer, a CTP will be conducted between acceptance testing and process control testing programs. The CTP will consist of testing for asphalt content, HBP 4.75 mm (#4) sieve, HBP 2.36 mm (#8) sieve, HBP 75 μm (#200) sieve, voids in the mineral aggregate, air voids, and in-place density in accordance with CP 13 of the Department's Field Materials Manual. If the Contractor intends to test to determine air voids and VMA, check testing for these tests is recommended. The CTP will be continued until the acceptance and process control test results are within the acceptable limits shown in Table 13-1 of CP 13.

During production a split sample check will be conducted at the frequency shown in Table 106-1. The split samples will be from an acceptance sample obtained in accordance with subsection 106.03(b). The acceptance test result will be compared to the process control test result obtained by the Contractor using the acceptable limits shown in Table 13-1 of CP 13.

If production has been suspended and then resumed, the Engineer may order a CTP between process control and acceptance testing persons to assure the test results are within the acceptable limits shown in Table 13-1 of CP 13. Check test results shall not be included in process control testing. The Region Materials Engineer shall be called upon to resolve differences if a CTP shows unresolved differences beyond the values shown in Table 13-1 of CP 13.

(d) Stability Verification Testing. After the mix design has been approved and production commences, the Department will perform a minimum of three stability verification tests to verify that the field produced Hot Bituminous Pavement conforms to the approved mix design:

The test frequency shall be one per day unless altered by the Engineer.

The test results will be evaluated and the Contractor shall make adjustments if required in accordance with the following:

- 1 The minimum value for stability will be the minimum specified in Table 403-1 of the specifications. There will be no tolerance limit.
- Quality Level. Calculate a QL for stability.

If the QL for stability is less than 65, then production shall be halted and the Contractor shall submit a written proposal for a mix design revision to the Engineer. The Engineer shall give written approval to the proposed mix design revision before production continues.

After a new or revised mix design is approved, three additional stability tests will be performed on asphalt produced with the new or revised mix design. The test frequency shall be one per day unless altered by the Engineer.

If the stability QL is less than 65, then production shall be halted until a new mix design has been completed and approved using plant produced material or the Contractor shall submit a written proposal for a mix design revision to the Engineer. The Engineer shall give written approval to the

proposed mix design revision before production continues.

- 3. New or Revised Mix Design. Whenever a new or revised mix design is used and production resumes, three additional stability field verification tests shall be performed and the test results evaluated in accordance with the above requirements. The test frequency shall be one per day unless altered by the Engineer.
- 4. Field Verification Process Complete. When the field verification process described above is complete and production continues, the sample frequency will revert back to 1/10,000 tons (1/10 000 metric tons).
- (e) Mix Verification Testing. After the mix design has been approved and production commences, the Department will perform a minimum of three volumetric verification tests for each of the following elements to verify that the field produced Hot Bituminous Pavement conforms to the approved mix design:
  - (1) Air Voids: When the Superpave gyratory is used, the air voids will be determined at N(design), as shown in Table 403-1, in accordance with CPL 5115.
  - (2) Voids in Mineral Aggregate (VMA)
  - (3) Asphalt Content (AC).

The test frequency shall be one per day unless altered by the Engineer.

The test results will be evaluated and the Contractor shall make adjustments if required in accordance with the following:

- 1 Target Values. The target values for the test element of air voids shall be the mix design air voids as shown on the Form 43. The target value for the test element of AC will be taken from the job mix formula (CDOT Form 43). The target value for the test element of VMA will be the average of the first three volumetric field verification test results on project produced Hot Bituminous Pavement or the target value specified in Table 403-1 and Table 403-2 of the specifications, whichever is higher.
- 2. Tolerance Limits. The tolerance limits for each test element shall be:

AC ± 0.3% Air Voids ± 1.2% VMA ± 1.2%

- Quality Levels. Calculate an individual QL for each of the elements using the volumetric field verification test results.
- 4. Total Quality Level. Add the three individual QLs and divide by three to determine the Total Quality Level (TQL).
  - A. If TQL is 90 or greater, then no change is required and production can continue.
  - B. If TQL is 65 or greater and less than 90 and the QL for the test element of air voids is 70 or greater, then no change is required and production can continue.
  - C. If TQL is 65 or greater and less than 90 and the QL for the test element of air voids is less than 70 or the TQL is less than 65, then production shall be halted and the Contractor shall submit a written proposal for a mix design revision to the Engineer. The Engineer shall give written approval to the proposed mix design revision before production continues.

After a new or revised mix design is approved, three additional volumetric field verification tests will be performed on asphalt produced with the new or revised mix design. The test frequency shall be one per day unless altered by the Engineer.

- (1) If TQL is 90 or greater, then no change is required and production can continue.
- (2) If TQL is 65 or greater and less than 90 and the QL for the test element of air voids is 70 or greater, then no change is required and production can continue.
- (3) If TQL is 65 or greater and less than 90 and the QL for the test element of air voids is less than 70 or the TQL is less than 65, then production shall be halted until a new mix design has been completed and approved using plant produced material or the Contractor shall submit a written proposal for a mix design revision to the Engineer. The Engineer shall give written approval to the proposed mix design revision before production continues.
- 5. New or Revised Mix Design. Whenever a new or revised mix design is used and production resumes, three additional volumetric field verification tests shall be performed and the test results evaluated in accordance with the above requirements. The test frequency shall be one per day unless altered by the Engineer.
- 6. Field Verification Process Complete. When the field verification process described above is complete and production continues, the sample frequency will revert back to a minimum of 1/10,000 metric tons (1/10 000 tons). The Engineer has the discretion to conduct additional verification tests at any time.
- (f) Testing Schedule. Process control and project acceptance testing frequency shall be in accordance with Table 106-1.
- (g) Reference Conditions. Three reference conditions can exist determined by the Moving Quality Level (MQL). The MQL will be calculated in accordance with the procedure in CP 71 for Determining Quality Level (QL). The MQL will be calculated using only acceptance tests. The MQL will be calculated on tests 1 through 3, then tests 1 through 4, then tests 1 through 5, then thereafter on the last five consecutive test results. The MQL will not be used to determine pay factors. The three reference conditions and actions that will be taken are described as follows:
  - 1 Condition green will exist for an element when an MQL of 90 or greater is reached, or maintained, and the past five consecutive test results are within the specification limits.
  - 2. Condition yellow will exist for all elements at the beginning of production or when a new process is established because of changes in materials or the job-mix formula, following an extended suspension of work, or when the MQL is less than 90 and equal to or greater than 65. Once an element is at condition green, if the MQL falls below 90 or a test result falls outside the specification limits, the condition will revert to yellow or red as appropriate.
  - 3. Condition red will exist for any element when the MQL is less than 65. The Contractor shall be notified immediately in writing and the process control sampling and testing frequency increased to a minimum rate of 1/250 metric tons (1/250 tons) for that element. The process control sampling and testing frequency shall remain at 1/250 metric tons (1/250 tons) until the process control QL reaches or exceeds 78. If the QL for the next five process control tests is below 65, production will be suspended.

If gradation is the element with MQL less than 65, the Department will test one randomly selected sample in the first 1250 metric tons (1250 tons) produced in condition red. If this test result is outside the tolerance limits, production will be suspended. (This test result will not be included as an acceptance test.)

After condition red exists, a new MQL will be started. Acceptance testing will stay at the frequency shown in Table 106-1. After three acceptance tests, if the MQL is less than 65, production will be suspended.

Production will remain suspended until the source of the problem is identified and corrected. Each time production is suspended, corrective actions shall be proposed in writing by the Contractor and approved in writing by the Engineer before production may resume.

Upon resuming production, the process control sampling and testing frequency for the elements causing the condition red shall remain at 1/250 metric tons (1/250 tons). If the QL for the next five process control tests is below 65, production will be suspended again. If gradation is the element with MQL less than 65, the Department will test one randomly selected sample in the first 1250 metric tons (1250 tons) produced in condition red. If this test result is outside the tolerance limits, production will be suspended.

TABLE 106-1 SCHEDULE FOR MINIMUM SAMPLING AND TESTING

ELEMENT	PROCESS CONTROL	ACCEPTANCE	CHECK (CTP)
Asphalt Content	1/500 metric tons (1/500 T)	1/1000 metric tons (1/1000 T)	1/10 000 metric tons (1/10,000 T)
Gradation	1/Day	1/2000 metric tons (1/2000 T)	1/20 000 metric tons (1/20,000 T)
In-Place density	1/500 metric tons (1/500 T)	1/500 metric tons (1/500 T)	1/5000 metric tons (1/5000 T)

### Notes for Table 106-1:

- (1) The minimum number of acceptance tests will be at least 5 asphalt content, 3 gradation and 10 in-place density for all projects.
- (2) When unscheduled job mix formula changes are made (CDOT form 43) acceptance of the elements, except for in-place density, will be based on the actual number of samples that have been selected up to that time, even if the number is below the minimum listed in the schedule. At the Engineer's discretion, additional random in-place density tests may be taken in order to meet scheduled minimums, provided the applicable pavement layer is available for testing under safe conditions. Beginning with the new job mix formula, the quantity it will represent shall be estimated. A revised schedule of acceptance tests will be based on that estimate.

## Appendix F

## **Colorado Procedure 71**

## Colorado Procedure 71-00

Standard Specification for

# Determining Quality Level (Percent Within Tolerance Limits)

### 1. SCOPE

- 1.1 Use this procedure with Quality Assurance type specifications where Pay Factors or acceptance decisions are based on Quality Level (QL), defined as percent within specification (tolerance) limits. QL is a measure of quality of a lot or process.
- 1.2 QL represents the percentage of the population (lot or process) that falls above a single lower limit, below a single upper limit, or between the upper and lower limits of double-limit specifications.
- 1.3 For this procedure to be meaningful, select all samples by random or stratified random procedures. Perform all testing and measuring strictly in accordance with standard acceptable practices. When used for contractual purposes, do all sampling and testing in accordance with the applicable specifications.
- 1.4 Manual, computer assisted, and mathematical procedures are described. Where contractual pay factors are based on QL, use only the computer assisted procedure.

### 2. SUMMARY OF METHOD

- 2.1 The method involves calculating statistical parameters from three or more representative measurements, test results, or values for each specified element in a lot or sample. The arithmetic average (mean) value of the sample is calculated. As a measure of variability, the sample Standard Deviation is calculated. Using these results, the distance from the sample mean to each limit is divided by the standard deviation, which yields the Quality Index.
- 2.2 The incomplete beta function ratio, using sample sizes and quality indices as

variables, is used in the computer version to calculate areas under the beta distribution. With variables typical for QL determinations, the beta distribution (Figure 71-1) is similar to the normal distribution (Figure 71-2).

- 2.3 The total area under the beta distribution outside the specification limits is the fraction defective which is then multiplied by 100 to yield the percent defective; this subtracted from 100 gives the percent within limits.
- 2.4 Table 71-1 contains values for percent within limits as related to sample sizes and quality indices. The table was developed from mathematical calculations and is used in the manual method to estimate QL.

### 3. MANUAL PROCEDURE

3.1 Determine the arithmetic mean and standard deviation for the several test results from the lot for each element being evaluated. Compute these as shown in Equations 3.1 and 3.2.

$$\overline{X} = \frac{\sum X}{n}$$
 Equation 3.1

$$s = \sqrt{\frac{\sum (X - \overline{X})^2}{n - 1}}$$
 Equation 3.2

Where:

 $\overline{X}$  = Sample mean,

 $\Sigma$  = Summation of.

X = Individual test value to X<sub>n</sub>.

n = Total number of test values,

s = Sample standard deviation.

3.2 Compute the upper quality index  $(Q_u)$  per Equation 3.3.

$$Q_{U} = \frac{T_{U} - \overline{X}}{s}$$
 Equation 3.3

Where:

Q<sub>u</sub> = Upper quality index,

 $T_u$  = Upper specification limits.

- 3.2.1 Determine  $P_u$  (percent within the upper specification limit which corresponds to a given  $Q_u$ ) from Table 71-1. If desired,  $P_u$  may be interpolated to the nearest 0.1. Where  $T_u$  is not specified,  $P_u$  will be 100.
- 3.3 Compute the lower quality index  $(Q_L)$  per Equation 3.4.

$$Q_{\perp} = \frac{\overline{X} - T_{\perp}}{s}$$
 Equation 3.4

Where:

 $Q_L$  = Lower quality index,

T<sub>L</sub> = Lower specification limits.

- 3.3.1 Determine  $P_L$  (percent within the lower specification limit which corresponds to a given  $Q_L$ ) from Table 71-1. If desired,  $P_L$  may be interpolated to the nearest 0.1. Where  $T_L$  is not specified,  $P_L$  will be 100.
- 3.4 Compute QL (the total percent within specification limits) per Equation 3.5.

QL = 
$$(P_U + P_L)$$
 - 100 Equation 3.5

3.5 The manual method for determining QL essentially conforms to the applicable portions of AASHTO Standard Recommended Practice R 9, Acceptance Sampling Plans for Highway Construction.

3.6 A sample calculation is provided at the end of this procedure demonstrating the calculation of Quality Level and Pay Factors using this manual procedure.

### 4. COMPUTER ASSISTED PROCEDURE

- 4.1 The calculations for determining Quality Level may be performed by using the latest versions of the Departments quality level programs.
- 4.2 In the quality level programs, the areas under the beta distribution are calculated from the incomplete beta function ratio by assigning the variables used in Equations 3.1 through 3.4. The procedure is as described in *Numerical Recipes in C*<sub>1</sub>, *Chapter* 6. A detailed discussion of the theories involved is provided by Willenbrock and Kopac in *TRR* 691, *Process Control in the Construction Industry*<sub>2</sub>.
- 4.3 All numbers from the calculations are carried to significant figures and round according to AASHTO Standard Recommended Practice R 11, using the Rounding Method.
- 4.4 Where contractual pay factors are based on QL use the computer-assisted procedure only.

MATHEMATICAL PROCEDURE - Adapted from Resolution of beta-distribution equations for quality level analysis...<sub>3</sub>

5.1 In order to evaluate the necessary quality parameters, the integral

$$r_n = \frac{g^{\frac{n}{2}} - 2}{B(\frac{n}{2} - 1, \frac{n}{2} - 1)} \int_0^{\frac{n}{2}} t^{\frac{n}{2}} - 2 dt$$
 Equation 5.1

must be evaluated. In equation 5.1 B(n/2-1,n/2-1) is generally referred to as the complete beta-function (or just the beta-function) with parameters n/2-1,n/2-1, and the integral is the incomplete beta-function. Together they form the beta distribution from a random variable. The beta function is defined by

$$B(\frac{n}{2} - 1, \frac{n}{2} - 1) = \int_{0}^{1} t^{\frac{n}{2}} - 2 (1 - t)^{\frac{n}{2}} - 2 dt,$$
 Equation 5.2

and the upper limit in 5.1 is given by

$$g = \frac{1}{2} - \frac{Q\sqrt{n}}{2(n-1)}$$
 Equation 5.3

where Q is the quality index defined in Equations 3.3 and 3.4 and n is the sample size.

5.2 For small sample sizes no numerical integration is necessary as the integral may be economically evaluated in close form. In particular we have:

$$I_{3} = \frac{1}{2} + \frac{1}{p} \sin^{-1}(2g - 1)$$
 Equation 5.4
$$I_{4} = g$$
 Equation 5.5
$$I_{5} = \frac{1}{2} + \frac{1}{p} \sin^{-1}(2g - 1) + \frac{2}{p} \sqrt{g - g^{2}}(2g - 1)$$
 Equation 5.6
$$I_{6} = 3g^{2} - 2g^{3}$$
 Equation 5.7
$$I_{7} = \frac{1}{2} + \frac{1}{p} \sin^{-1}(2g - 1) - \frac{2}{3p} \sqrt{g - g^{2}}(2g - 1)(8g^{2} - 8g - 3)$$
 Equation 5.8
$$I_{8} = 10g^{3} - 15g^{4} + 6g^{5}$$
 Equation 5.9

These expressions are small enough to be used with some hand calculators. As the value of n increases the calculations become more complex. With the availability of personal computers, we include the equation for information and recommend the use of personal computers.

**TABLE 71-1** 

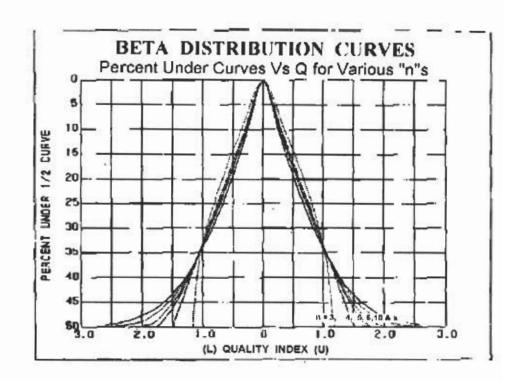
				Lin	ner Ou	ality Ind		or Lowei	, Quality	/ Indox	01				
P <sub>u</sub> or	_			———	pei Qua	anty ind	ex Qu c	n=10	n=12			00	- 00	70	
. , , , , P <sub>L</sub> %	n=3	n=4	n=5	n=6	n=7	n=8	n=9	to n=11	to n=14	n=15 to n=18	n=19 to n=25	n=26 to n=37	n=38 to n=69	n=70 to n=	n= 201 to
100	1.16	1.50	1.79	2.03	2.23	2.39	2.53	2.65	2.83	3.03	3.20	3.38	2.54	200	n=x
9		1.47	1.67	1.80	1.89	1.95	2.00	2.04	2.09	2.14	2.18	2.22	3.54 2.26	3.70 2.29	3.83 2.31
8 7	1.15	1.44	1.60	1.70	1.76	1.81	1.84	1.86	1.91	1.93	1.96	1.99	2.01	2.03	2.05
6	1.14	1.41 1.38	1.54 1.49	1.62 1.55	1.67 1.59	1.70 1.61	1.72 1.63	1.74 1.65	1.77 1.67	1.79 1.68	1.81 1.70	1.83 1.71	1.85 1.73	1.86 1.74	1.87 1.75
95		1.35	1.44	1.49	1.52	1.54	1.55	1.56	1.58	1.59	1.61	1.62	1.63	1.63	1.64
)4 )3	1.13	1.32 1.29	1.39 1.35	1.43 1.38	1.46 1.40	1.47 1.41	1.48	1.49	1.50	1.51	1.52	1.53	1.54	1.55	1.55
2	1.12	1.26	1.33	1.33	1.35	1.36	1.42 1.36	1.43 1.36	1.44 1.37	1.44 1.37	1.45 1.39	1.46 1.39	1.46 1.40	1.47 1.40	1.47 1.40
)1	1.11	1.23	1.27	1.29	1.30	1.30	1.31	1.31	1.32	1.32	1.33	1.33	1.33	1.34	1.34
90	1.10	1.20	1.23	1.24	1.25	1.25	1.26	1.26	1.26	1.27	1.27	1.27	1.28	1.28	1.28
39 38	1.09 1.07	1.17 1.14	1.19 1.15	1.20 1.16	1.20 1.16	1.21 1.16	1.21 1.17	1.21 1.17	1.21	1.22	1.22	1.22	1.22	1.22	1.23
37	1.06	1.11	1.12	1.12	1.12	1.12	1.17	1.17	1.17 1.12	1.17 1.12	1.17 1.12	1.17 1.12	1.17 1.12	1.17 1.13	1.17 1.13
86	1.04	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
B5 B4	1.03 1.01	1.05 1.02	1.05	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
33	1.00	0.99	1.01 0.98	1.01 0.97	1.00 0.96	1.00 0.96	1.00 0.96	1.00 0.96	1.00 0.96	1.00 0.96	1.00 0.96	1.00 0.96	0.99 0.95	0.99 0.95	0.99 0.95
B2	0.97	0.96	0.95	0.94	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.92	0.93	0.93	0.95
81	0.96	0.93	0.91	0.90	0.90	0.89	0.89	0.89	0.89	0.88	0.88	0.88	0.88	0.88	0.88
80 79	0.93 0.91	0.90 0.87	0.88	0.87 0.84	0.86	0.86	0.86	0.85	0.85	0.85	0.85	0.84	0.84	0.84	0.84
78	0.89	0.84	0.85 0.82	0.80	0.83 0.80	0.82 0.79	0.82 0.79	0.82 0.79	0.82 0.78	0.81 0.78	0.81 0.78	0.81 0.78	0.81 0.77	0.81 0.77	0.81 0.77
77	0.87	0.81	0.78	0.77	0.76	0.76	0.76	0.75	0.75	0.75	0.75	0.74	0.74	0.74	0.74
76	0.84	0.78	0.75	0.74	0.73	0.73	0.72	0.72	0.72	0.71	0.71	0.71	0.71	0.71	0.71
75 74	0.82 0.79	0.75 0.72	0.72 0.69	0.71 0.68	0.70 0.67	0.70 0.66	0.69 0.66	0.69 0.66	0.69 0.66	0.68	0.68	0.68	0.68	0.68	0.67
73	0.76	0.69	0.66	0.65	0.64	0.63	0.63	0.63	0.62	0.65 0.62	0.65 0.62	0.65 0.62	0.65 0.62	0.64 0.61	0.64 0.61
72	0.74	0.66	0.63	0.62	0.61	0.60	0.60	0.60	0.59	0.59	0.59	0.59	0.59	0.58	0.58
71	0.71	0.63	0.60	0.59	0.58	0.57	0.57	0.57	0.57	0.56	0.56	0.56	0.56	0.55	0.55
70 69	0.68 0.65	0.60 0.57	0.57 0.54	0.56 0.53	0.55 0.52	0.55 0.52	0.54 0.51	0.54 0.51	0.54 0.51	0.53 0.50	0.53 0.50	0.53	0.53	0.53	0.52
68	0.62	0.54	0.51	0.50	0.32	0.32	0.31	0.48	0.48	0.30	0.50	0.50 0.47	0.50 0.47	0.50 0.47	0.50 0.47
67	0.59	0.51	0.47	0.47	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.44	0.44	0.44	0.44
66	0.56	0.48	0.45	0.44	0.44	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.41	0.41	0.41
35	0.52	0.45	0.43	0.41	0.41	0.40	0.40	0.40	0.40	0.39	0.39	0.39	0.39	0.39	0.39
54 53	0.49 0.46	0.42 0.39	0.40 0.37	0.39 0.36	0.38 0.35	0.38 0.35	0.37 0.35	0.37 0.34	0.37 0.34	0.36 0.34	0.36 0.34	0.36 0.34	0.36 0.33	0.36 0.33	0.36 0.33
32	0.43	0.36	0.34	0.33	0.32	0.32	0.32	0.32	0.34	0.31	0.34	0.34	0.33	0.33	0.33
31	0.39	0.33	0.31	0.30	0.30	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.28
0	0.36	0.30	0.28	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25
59 5 <b>8</b>	0.32 0.29	0.27 0.24	0.25 0.23	0.25 0.22	0.24 0.21	0.24 0.21	0.24 0.21	0.24 0.21	0.23 0.21	0.23 0.21	0.23 0.20	0.23 0.20	0.23 0.20	0.23 0.20	0.23 0.20
57	0.25	0.21	0.20	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.20	0.18	0.20	0.20	0.20
56	0.22	0.18	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15
55 54	0.18	0.15	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
54 53	0.14 0.11	0.12 0.09	0.11 0.08	0.11 0.08	0.11 0.08	0.10 0.08	0.10 0.08	0.10 0.08	0.10 0.08	0.10 0.08	0.10 0.08	0.10 0.08	0.10 0.08	0.10 0.08	0.10 0.08
52	0.07	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
51	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

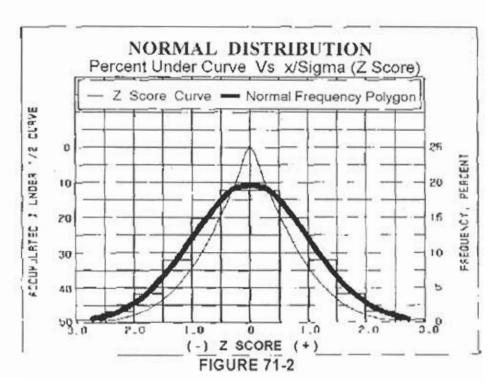
NOTE: When  $Q_{u}$  or  $Q_{L}$  falls between table values, estimate  $P_{u}$  or  $P_{L}$  to the closest 0.10.

**TABLE 71-1** 

				Upp	er Qua	ility Inde	ex Qu o	r Lower	Quality	/ Index	QL				
P <sub>u</sub> or								n=10	n=12	n=15	n=19	n=26	n=38	n=70	n=
$P_L$	0	4			7	0	0	to	201						
۸,	n=3	n=4	n=5	n=6	n=7	n=8	n=9	n=11	n=14	n=18	n=25	n=37	n=69	n=	to
<u>%</u>	2.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	200	n=x
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49 40	-0.04	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.02
48	-0.07 -0.11	-0.06 -0.09	-0.06	-0.05 -0.08	-0.05	-0.05 -0.08									
47 46	-0.11	-0.09 -0.12	-0.08 -0.11	-0.06 -0.11	-0.08 -0.11	-0.08	-0.08	-0.10	-0.10	-0.00	-0.00	-0.10	-0.10	-0.10	-0.00
45	-0.18	-0.15	-0.14	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13
44	-0.22	-0.18	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15
43	-0.25	-0.21	-0.20	-0.19	-0.19	-0.19	-0.18	-0.18	-0.18	-0.18	-0.18 -0.20	-0.18 -0.20	-0.18 -0.20	-0.18 -0.20	-0.18 -0.20
42 41	-0.29 -0.32	-0.24 -0.27	-0.23 -0.25	-0.22 -0.25	-0.21 -0.24	-0.21 -0.24	-0.21 -0.24	-0.21 -0.24	-0.21 -0.23	-0.21 -0.23	-0.23	-0.23	-0.23	-0.20	-0.23
40	-0.36	-0.30	-0.28	-0.27	-0.27	-0.27	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26	-0.25	-0.25
39	-0.39	-0.33	-0.31	-0.30	-0.30	-0.29	-0.29	-0.29	-0.29	-0.29	-0.28	-0.28	-0.28	-0.28	-0.28
38	-0.43	-0.36	-0.34	-0.33	-0.32	-0.32	-0.32	-0.32	-0.31	-0.31	-0.31	-0.31	-0.31	-0.31	-0.31
37	-0.46	-0.39	-0.37	-0.36	-0.35	-0.35	-0.35	-0.34	-0.34	-0.34 0.36	-0.34	-0.34 -0.36	-0.33 -0.36	-0.33 -0.36	-0.33 -0.36
36	-0.49	-0.42	-0.40	-0.39	-0.38	-0.38	-0.37	-0.37	-0.37	-0.36	-0.36	-0.36	-0.30	-0.30	
35	-0.52	-0.45	-0.43	-0.41	-0.41	-0.40	-0.40	-0.40	-0.40	-0.39	-0.39	-0.39	-0.39	-0.39	-0.39
34	-0.56	-0.48	-0.45	-0.44	-0.44	-0.43	-0.43	-0.43	-0.42	-0.42	-0.42	-0.42	-0.41	-0.41	-0.41
33	-0.59	-0.51	-0.47	-0.47	-0.46	-0.46	-0.46	-0.45	-0.45	-0.45	-0.45	-0.44	-0.44	-0.44	-0.44
32	-0.62	-0.54	-0.51	-0.50	-0.49	-0.49	-0.48	-0.48	-0.48	-0.48	-0.47	-0.47	-0.47	-0.47	-0.47
31	-0.65	-0.57	-0.54	-0.53	-0.52	-0.52	-0.51	-0.51	-0.51	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
30	-0.68	-0.60	-0.57	-0.56	-0.55	-0.55	-0.54	-0.54	-0.54	-0.53	-0.53	-0.53	-0.53	-0.53	-0.52
29	-0.71	-0.63	-0.60	-0.59	-0.58	-0.57	-0.57	-0.57	-0.57	-0.56	-0.56	-0.56	-0.56	-0.55	-0.55
28	-0.74	-0.66	-0.63	-0.62	-0.61	-0.60	-0.60	-0.60	-0.59	-0.59	-0.59	-0.59	-0.59	-0.58	-0.58
27	-0.76	-0.69	-0.66	-0.65	-0.64	-0.63	-0.63	-0.63	-0.62	-0.62	-0.62	-0.62	-0.62	-0.61	-0.61
26	-0.79	-0.72	-0.69	-0.68	-0.67	-0.66	-0.66	-0.66	-0.66	-0.65	-0.65	-0.65	-0.65	-0.64	-0.64
25	-0.82	-0.75	-0.72	-0.71	-0.70	-0.70	-0.69	-0.69	-0.69	-0.68	-0.68	-0.68	-0.68	-0.68	-0.67
24	-0.84	-0.78	-0.75	-0.74	-0.73	-0.73	-0.72	-0.72	-0.72	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71
23	-0.87	-0.81	-0.78	-0.77	-0.76	-0.76	-0.76	-0.75	-0.75	-0.75	-0.75	-0.74	-0.74	-0.74	-0.74
22	-0.89	-0.84	-0.82	-0.80	-0.80	-0.79	-0.79	-0.79	-0.78	-0.78	-0.78	-0.78	-0.77	-0.77	-0.77
21	-0.91	-0.87	-0.85	-0.84	-0.83	-0.82	-0.82	-0.82	-0.82	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81
20	-0.93	-0.90	-0.88	-0.87	-0.86	-0.86	-0.86	-0.85	-0.85	-0.85	-0.85	-0.84	-0.84	-0.84	-0.84
19	-0.96	-0.93	-0.91	-0.90	-0.90	-0.89	-0.89	-0.89	-0.89	-0.88	-0.88	-0.88	-0.88	-0.88	-0.88
18	-0.97	-0.96	-0.95	-0.94	-0.93	-0.93	-0.93	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92
17	-1.00	-0.99	-0.98	-0.97	-0.96	-0.96	-0.96	-0.96	-0.96	-0.96	-0.96	-0.96	-0.95	-0.95	-0.95
16	-1.01	-1.02	-1.01	-1.01	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-0.99	-0.99	-0.99
15	-1.03	-1.05	-1.05	-1.04	-1.04	-1.04	-1.04	-1.04	-1.04	-1.04	-1.04	-1.04	-1.04	-1.04	-1.04
14	-1.03	-1.03	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08
13	-1.04	-1.11	-1.12	-1.12	-1.12	-1.12	-1.12	-1.12	-1.12	-1.12	-1.12	-1.12	-1.12	-1.13	-1.13
12	-1.07	-1.14	-1.15	-1.16	-1.16	-1.16	-1.17	-1.17	-1.17	-1.17	-1.17	-1.17	-1.17	-1.17	-1.17
11	-1.09	-1.17	-1.19	-1.20	-1.20	-1.21	-1.21	-1.21	-1.21	-1.22	-1.22	-1.22	-1.22	-1.22	-1.23
10	-1.10	-1.20	-1.23	-1.24	-1.25	-1.25	-1.26	-1.26	-1.26	-1.27	-1.27	-1.27	-1.28	-1.28	-1.28
9	-1.10	-1.20	-1.23	-1.29	-1.30	-1.30	-1.31	-1.31	-1.32	-1.32	-1.33	-1.33	-1.33	-1.34	-1.34
8	-1.12	-1.26	-1.31	-1.33	-1.35	-1.36	-1.36	-1.36	-1.37	-1.37	-1.39	-1.39	-1.40	-1.40	-1.40
7	****	-1.29	-1.35	-1.38	-1.40	-1.41	-1.42	-1.43	-1.44	-1.44	-1.45	-1.46	-1.46	-1.47	-1.47
6	-1.13	-1.32	-1.39	-1.43	-1.46	-1.47	-1.48	-1.49	-1.50	-1.51	-1.52	-1.53	-1.54	-1.55	-1.55
5		-1.35	-1.44	-1.49	-1.52	-1.54	-1.55	-1.56	-1.58	-1.59	-1.61	-1.62	-1.63	-1.63	-1.64
4	-1.14	-1.35	-1.44	-1.45 -1.55	-1.59	-1.61	-1.63	-1.65	-1.67	-1.68	-1.70	-1.71	-1.73	-1.74	-1.75
3	-1.14	-1.41	-1.54	-1.62	-1.67	-1.70	-1.72	-1.74	-1.77	-1.79	-1.81	-1.83	-1.85	-1.86	-1.87
2	-1.15	-1.44	-1.60	-1.70	-1.76	-1.81	-1.84	-1.86	-1.91	-1.93	-1.96	-1.99	-2.01	-2.03	-2.05
1	0	-1.47	-1.67	-1.80	-1.89	-1.95	-2.00	-2.04	-2.09	-2.14	-2.18	-2.22	-2.26	-2.29	-2.31
		-1.50	-1.79	-2.03	-2.23	-2.39	-2.53	-2.65	-2.83	-3.03	-3.20	-3.38	-3.54	-3.70	-3.83

NOTE: When  $Q_u$  or  $Q_L$  falls between table values, estimate  $P_u$  or  $P_L$  to the closest 0.10.





### Footnotes:

- 1. Numerical Recipes in C, the Art of Scientific Computing; by W. H. Press, B.P. Flannery, S. A. Teukolsky and W.T. Vetterling. Cambridge University Press, The Pitt Bldg, Trumpington Street, CB2 1RP, 40 West 20th St., New York, NY 10011. Copyright 1988.
- 2. Development of a Highway Acceptance Plan, by Jack H. Willenbrock, Pennsylvania State University and Peter A. Kopac, Federal Highway Administration. TRR 691, Process Control in the Construction Industry, National Academy of Sciences, Washington, D.C. 1978.
- 3. Resolution of Beta-Distribution Formulas for Quality Level Analysis, a report to the Colorado Department of Transportation from the Colorado Workshop on Mathematical Problems in Industry, prepared by F. Jay Bourland, Department of Mathematics, Colorado State University and Alistair Fitt, Department of Mathematics, University of Southampton.